

Test Report No:
2430723R-RFUSV01S-B

TEST REPORT

FCC Rules&Regulations

Product Name	Handheld Tablet
Brand Name	Toast Inc.
Model No.	TG310
FCC ID	2AMNG-TG310
Applicant's Name / Address	Toast, Incorporated 333 Summer St, Boston, Massachusetts, United States 02210
Manufacturer's Name / Address	Toast, Incorporated 333 Summer St, Boston, Massachusetts, United States 02210
Test Method Requested, Standard	FCC CFR Title 47 Part 15 Subpart C Section 15.247 ANSI C63.10-2013
Verdict Summary	IN COMPLIANCE
Documented By	 Jennie She
Approved By	 Allen Lin
Date of Receipt	Mar. 22, 2024
Date of Issue	Apr. 07, 2025
Report Version	V1.0

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Competences and Guarantees

DEKRA is a testing laboratory competent to carry out the tests described in this report.

In order to assure the traceability to other national and international laboratories, DEKRA has a calibration and maintenance program for its measurement equipment.

DEKRA guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated in the report and it is based on the knowledge and technical facilities available at DEKRA at the time of performance of the test.

DEKRA is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.

The results presented in this Test Report apply only to the particular item under test established in this document.

IMPORTANT: No parts of this report may be reproduced or quoted out of context, in any form or by any means, except in full, without the previous written permission of DEKRA.

General Conditions

1. The test results relate only to the samples tested.
2. The test results shown in the test report are traceable to the national/international standard through the calibration report of the equipment and evaluated measurement uncertainty herein.
3. This report must not be used to claim product endorsement by TAF or any agency of the government.
4. The test report shall not be reproduced without the written approval of DEKRA Testing and Certification Co., Ltd.
5. Measurement uncertainties evaluated for each testing system and associated connections are given here to provide the system information for reference. Compliance determinations do not take into account measurement uncertainties for each testing system, but are based on the results of the compliance measurement.

Revision History

Version	Description	Issued Date
V1.0	Initial issue of report	Apr. 07, 2025

Summary of Test Result

Report Clause	Test Items	Result (PASS/FAIL)	Remark
3	AC Power Line Conducted Emission	PASS	-
4	20dB Bandwidth	PASS	-
5	Carrier Frequency Separation	PASS	-
6	Maximum Conducted Output Power	PASS	-
7	Number of Hopping Frequency	PASS	-
8	Dwell Time	PASS	-
9	Antenna Port Conducted Emission	PASS	-
10	Transmitter Radiated Spurious Emission	PASS	-

Comments and Explanations

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Comments and Remarks

The product specification and testing instructions for the EUT declared in the report are provided by the manufacturer who will take all responsibilities for the accuracy.

1. General Information

1.1. EUT Description

Frequency Range	2400 ~ 2483.5 MHz
Operating Frequency	2402 ~ 2480 MHz
Channel Number	79 Channels
Mode	Bluetooth BR / EDR
Type of Modulation	Frequency Hopping Spread Spectrum
Data Rate	Bluetooth BR uses a GFSK (1 Mbps)
	Bluetooth EDR uses a combination of $\pi/4$ -DQPSK (2 Mbps) and 8DPSK (3 Mbps)

Accessories Information					
No.	Equipment Name	Brand Name	Model No.	Rating	Remark
1	Power Adaptor	Toast Inc.	FC015A05-0500 30U	INPUT: 100~240V, 50/60Hz, 0.5A OUTPUT: 5V, 3A, 15W	Type-C Interface
No.	Equipment Name	Description			
2	Cable	Shielded, 0.8m			
3	Li-ion polymer Battery Pack	3.8V, 5200mAh			

Antenna Information				
Ant.	Brand Name	Model No.	Type	Gain (dBi)
1	Advanced Wireless & Antenna INC.	ALL6Y-100007B	PIFA	2.33

1.2. EUT Information

EUT Power Type	From Adapter / Host system
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1.3. Testing Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ 47 CFR FCC Part 15
- ♦ ANSI C63.10-2013

The following reference test guidance is not within the scope of accreditation of TAF:

- ♦ KDB 558074 D01 v05r02
- ♦ KDB 414788 D01 v01r01

1.4. Testing Location Information

Testing Location Information		
Test Laboratory : DEKRA Testing and Certification Co., Ltd.		
1 (TAF: 3024)	ADD: No.372-2, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 31061, Taiwan, R.O.C. TEL: +886-3-582-8001 FAX: +886-3-582-8958 Test site Designation No. TW3024 with FCC. Conformity Assessment Body Identifier (CABID) TW3024 with ISED.	
2 (TAF: 3024)	ADD: No.372, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 31061, Taiwan, R.O.C. TEL: +886-3-582-8001 FAX: +886-3-582-8958 Test site Designation No. TW3024 with FCC. Conformity Assessment Body Identifier (CABID) TW3024 with ISED.	
Test site number for address 1 includes HC-SR02 and HC-CB10. Test site number for address 2 includes HC-CB02, HC-CB03, HC-CB04, HC-SR10 and HC-SR12.		

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
AC Conduction Emission	HC-SR02	Cyril Chen	25 / 65	2024/12/10~2025/03/11
RF Conducted Emission	HC-SR12	Kevin Teng	20.8~23.2 / 49.7~52.3	2024/12/21~2025/03/04
Radiated Emission	HC-CB02	Brook Cheng	20 / 58	2024/12/10~2025/03/10

1.5. Measurement Uncertainty

Uncertainties have been calculated according to the DEKRA internal document with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)).

Test item	Uncertainty
AC Power Line Conducted Emission	± 2.34 dB
20dB Bandwidth	± 282.55 Hz
Carrier Frequency Separation	± 282.55 Hz
Maximum Conducted Output Power	± 1.16 dB
Number of Hopping Frequency	N/A
Dwell Time	± 19.555 msec
Antenna Port Conducted Emission	± 2.47 dB
Transmitter Radiated Spurious Emission	± 3.52 dB below 1 GHz ± 3.56 dB above 1 GHz

1.6. List of Test Equipment

HC-SR02

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Cal. Date	Next Cal. Date
Artificial Mains Network	R&S	ENV4200	848411/010	9kHz-30MHz, 4line/100A	2024/12/02	2025/12/01
EMI Test Receiver	R&S	ESR3	102608	9 kHz - 3.6 GHz	2024/09/11	2025/09/10
Two-Line V-Network	R&S	ENV216	100096	9kHz-30MHz	2024/06/03	2025/06/02
Coaxial Cable(9 m)	Harbour	RG-400	HC-SR02	9 kHz-2500 MHz	2024/08/15	2025/08/14
EMI Testing System	Audix	e3 210616 dekra V9	HC-SR02	N/A	N/A	N/A

HC-SR12

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Cal. Date	Next Cal. Date
Signal & Spectrum Analyzer	R&S	FSV40	101869	10Hz-40GHz	2024/06/20	2025/06/19
High Speed Peak Power Meter Dual Input	Anritsu	ML2496A	1602004	0.3-40 GHz	2024/10/29	2025/10/28
Pulse Power Sensor	Anritsu	MA2411B	1531043	0.3-40 GHz	2024/10/29	2025/10/28
Pulse Power Sensor	Anritsu	MA2411B	1531044	0.3-40 GHz	2024/10/29	2025/10/28

HC-CB02

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Cal. Date	Next Cal. Date
Signal Analyzer	R&S	FSVA40	101455	10 Hz-40 GHz	2024/10/04	2025/10/03
Double Ridged Horn Antenna	RF SPIN	DRH18-E	211211A18E N	1G-18GHz	2024/11/08	2025/11/07
Horn Antenna	Schwarzbeck	BBHA 9170	203	18G-40GHz	2024/02/02	2025/02/01
Horn Antenna	Schwarzbeck	BBHA 9170	203	18G-40GHz	2025/01/14	2026/01/13
Pre-Amplifier	EMEC	EM01G18GA	060741	1G-18 GHz,50 dB	2024/04/23	2025/04/22
Pre-Amplifier	DEKRA	AP-400C	201801231	18G-40 GHz,48 dB	2024/10/15	2025/10/14
Wideband Radio Communication Tester	R&S	CMW500	106071	LTE 4G	2024/01/25	2025/01/24
Wideband Radio Communication Tester	R&S	CMW500	106071	LTE 4G	2025/01/16	2026/01/15
Coaxial Cable	Huber+Suhner ,Rosnol	SF102_UP0264	HC-CB02-1	18-40 GHz, 3 m	2024/08/13	2025/08/12

Note: All equipment upon which need to calibrated are with calibration period of 1 year.

2. Test Configuration of EUT

2.1. Test Condition

EUT Operational Condition	
Testing Voltage	AC 120V/60Hz

2.2. Test Frequency Mode

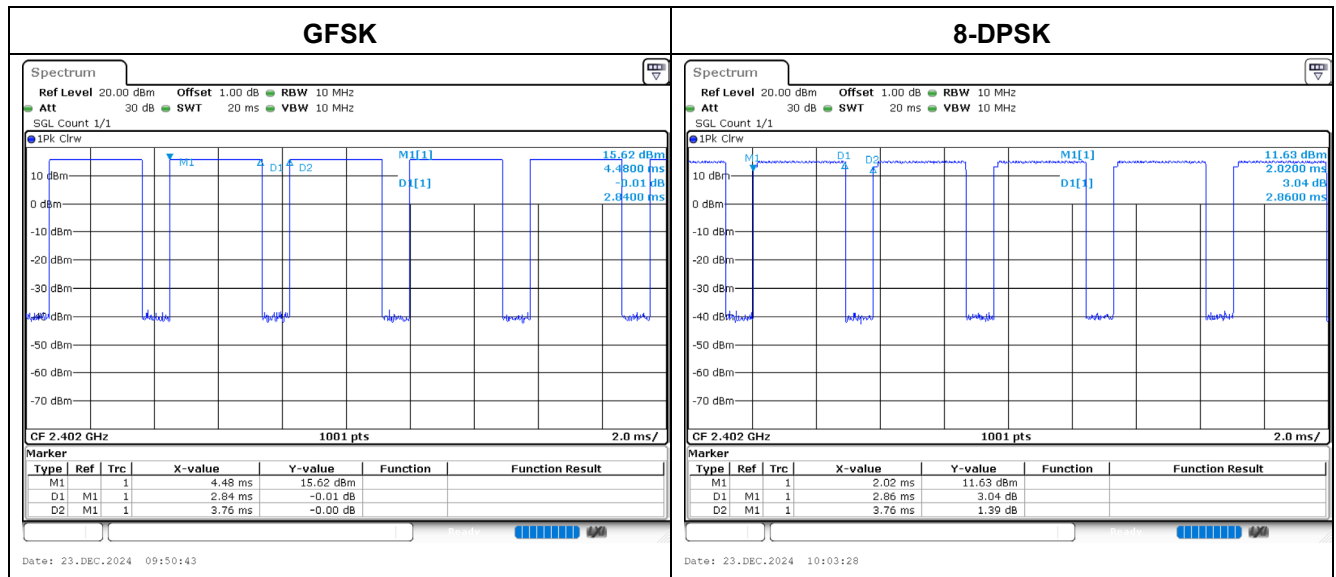
Test Software Version	Qualcomm® Radio Control Toolkit v4.1
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Modulation	Frequency (MHz)	Power Setting
GFSK	2402	7
	2440	7
	2480	7
8-DPSK	2402	7
	2440	7
	2480	7

2.3. Duty Cycle

Modulation	On Times (ms)	On+Off Times (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
GFSK	2.840	3.760	75.53	-2.44
8-DPSK	2.860	3.760	76.06	-2.38

Note: If the duty cycle correction factor lower than -20dB, the Max. duty cycle correction factor is -20dB.



2.4. The Worst Case Measurement Configuration

Tests Item	AC Power Line Conducted Emission
Test Condition	AC power line conducted measurement for line and neutral
Operating Mode	Transmit
1	Adapter with Pogo pins cable
2	Adapter with USB Type-C cable
3	Notebook with USB Type-C cable

Tests Item	20dB Bandwidth Carrier Frequency Separation Maximum Conducted Output Power Number of Hopping Frequency Dwell Time Antenna Port Conducted Emission
Test Condition	Conducted measurement at transmit chains

Tests Item	Transmitter Radiated Spurious Emission
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	Transmit
1	Adapter with Pogo pins cable
2	Adapter with USB Type-C cable
3	Notebook with USB Type-C cable
Operating Mode > 1GHz	Transmit
The EUT was performed at X axis, Y axis and Z axis position for adiated spurious emission test. The worst case was found at X axis, so the measurement will follow this same test configuration.	

Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Transmit
1	Bluetooth + WiFi 2.4 GHz
2	Bluetooth + WiFi 5 GHz
3	Bluetooth + WiFi 6 GHz
Refer to Appendix A for Radiated Emission Co-location.	

Note:

1. Determining compliance shall be based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.
2. Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
3. For radiated spurious emission below 1 GHz and AC power line conducted emission have performed all modes of operation were investigated and the worst-case emissions are reported.

2.5. Tested System Details

Test Mode: Mode1

N/A

Test Mode: Mode2

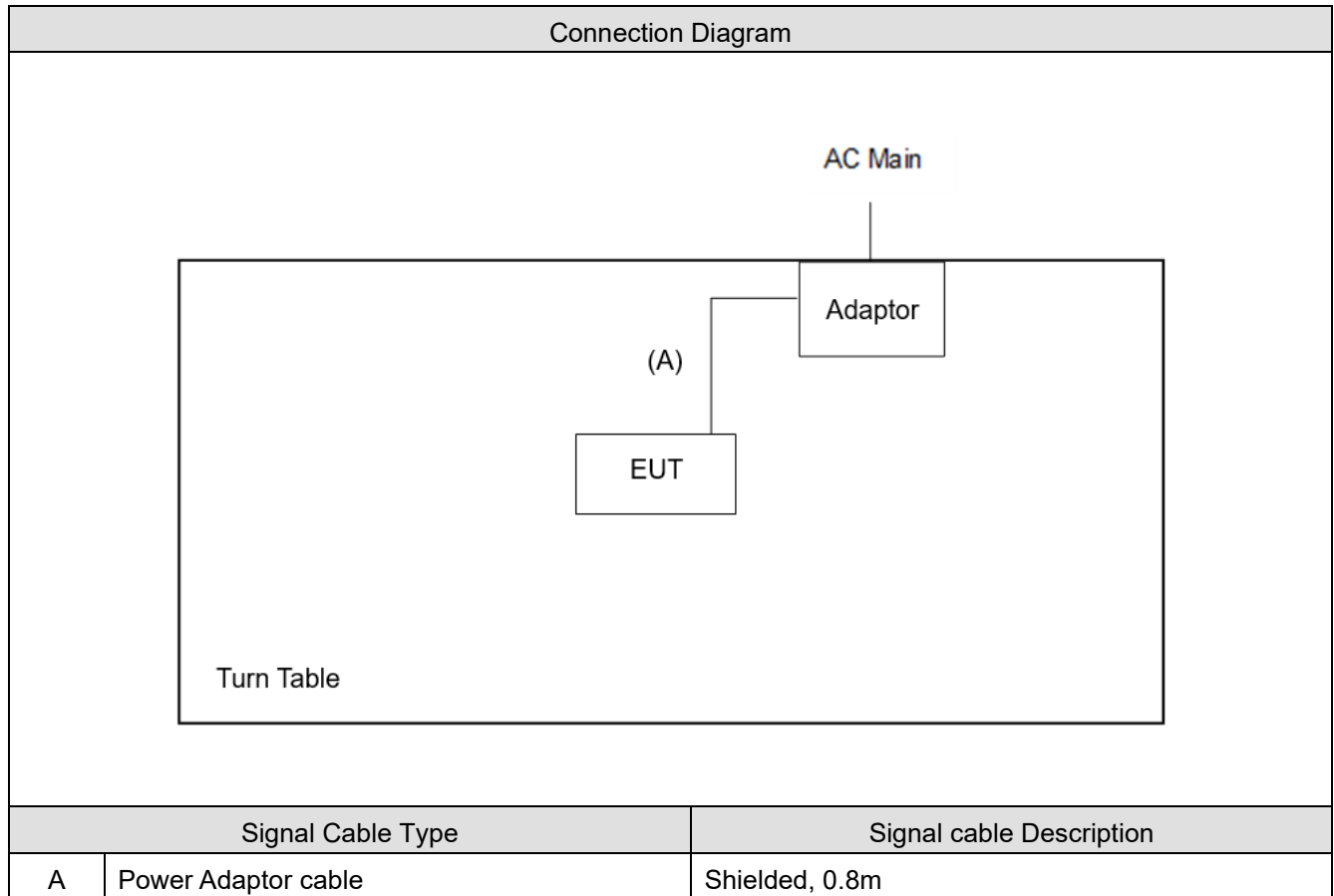
N/A

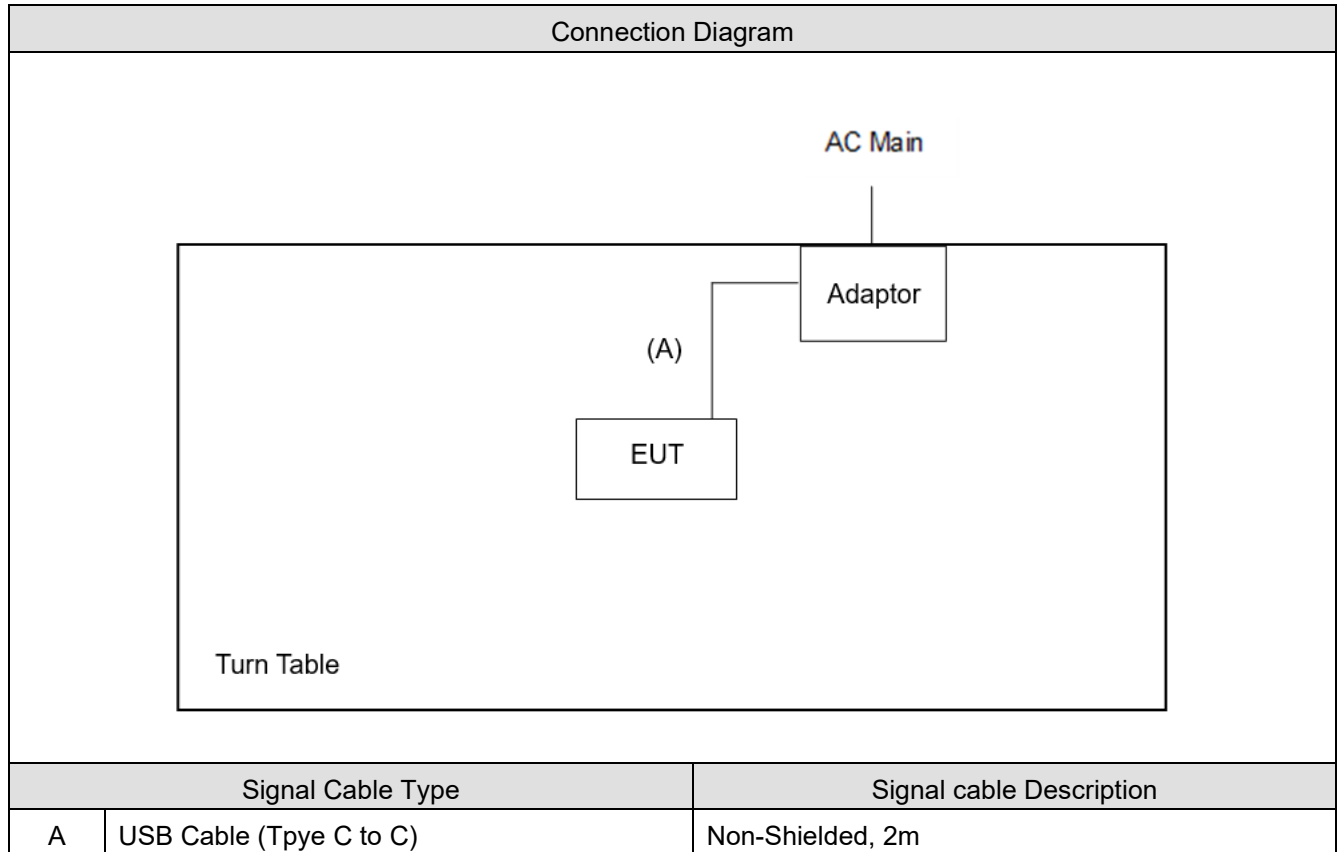
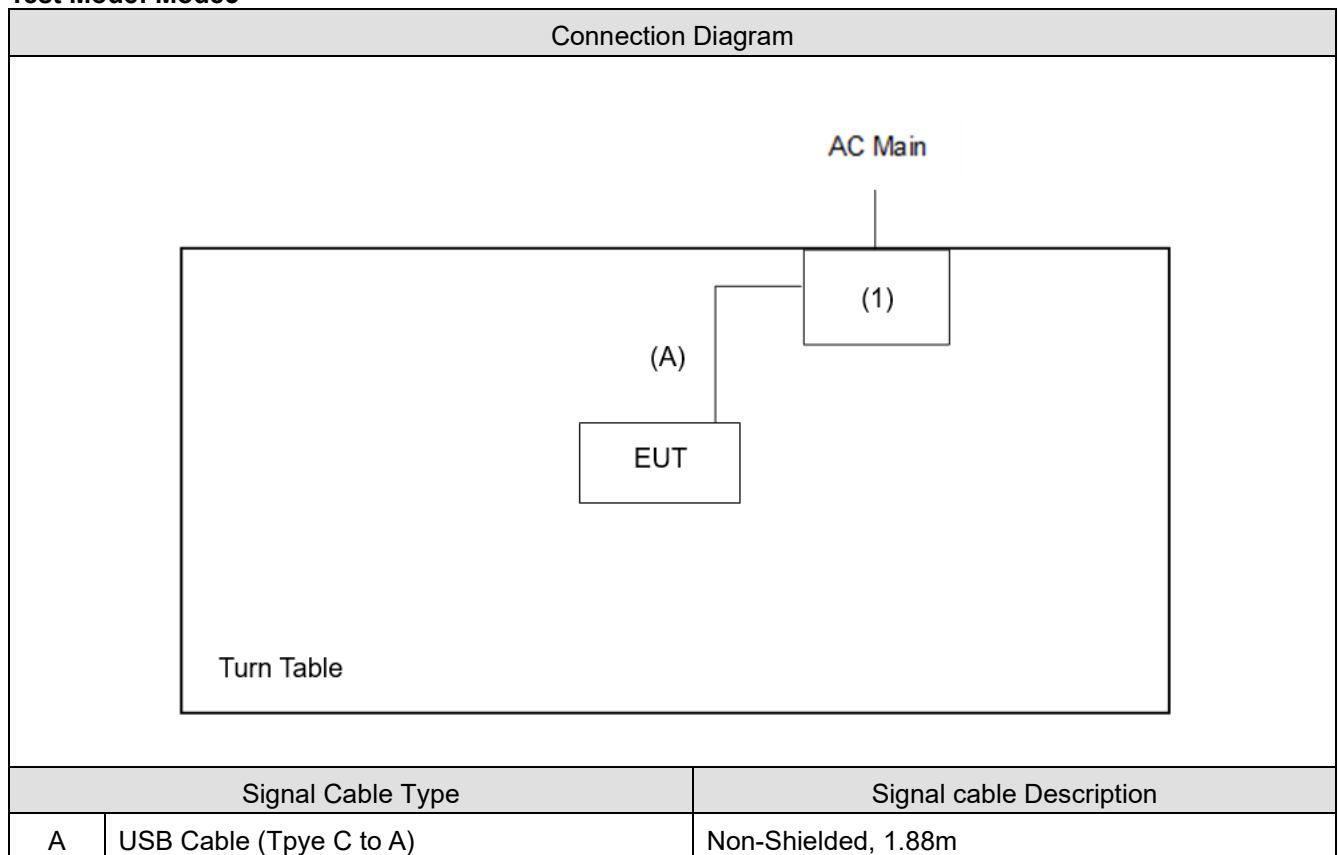
Test Mode: Mode3

No.	Equipment	Brand Name	Model No.	Serial No.
1	Notebook	ASUS	E402S	GBN0CV14W224476

2.6. Configuration of Tested System

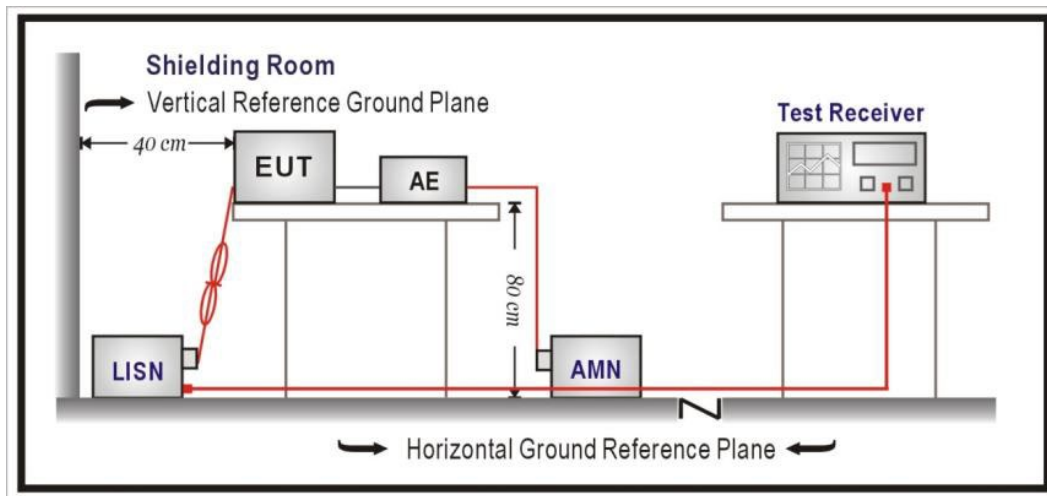
Test Mode: Mode1



Test Mode: Mode2**Test Mode: Mode3**

3. AC Power Line Conducted Emission

3.1. Test Setup



3.2. Test Limit

Frequency (MHz)	QP (dBuV)	AV (dBuV)
0.15 - 0.50	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30	60	50

Remarks: In the above table, the tighter limit applies at the band edges.

3.3. Test Procedure

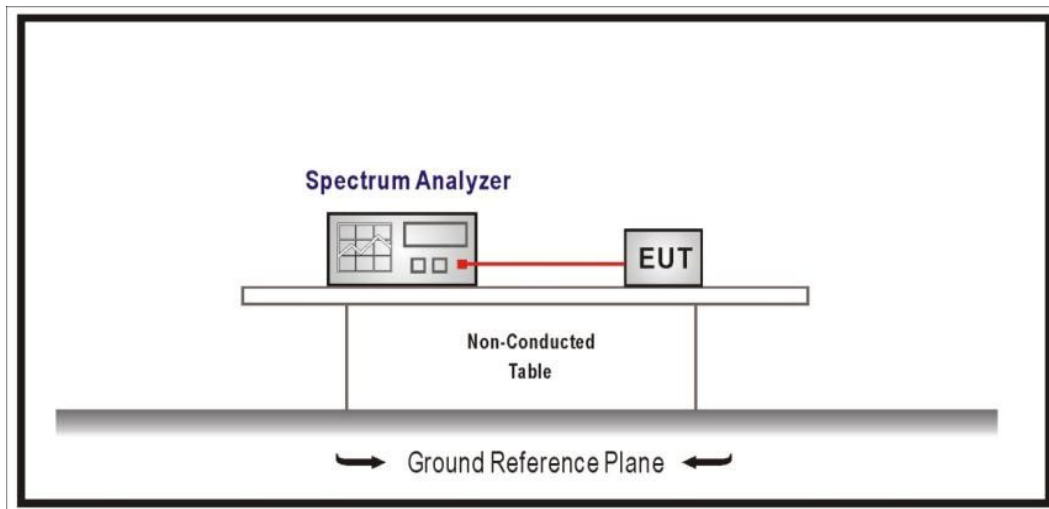
The EUT was setup according to ANSI C63.10: 2013 for AC Power Line Conducted Emissions.

3.4. Test Result of AC Power Line Conducted Emission

Refer as Appendix A

4. 20dB Bandwidth

4.1. Test Setup



4.2. Test Limit

N/A

4.3. Test Procedures

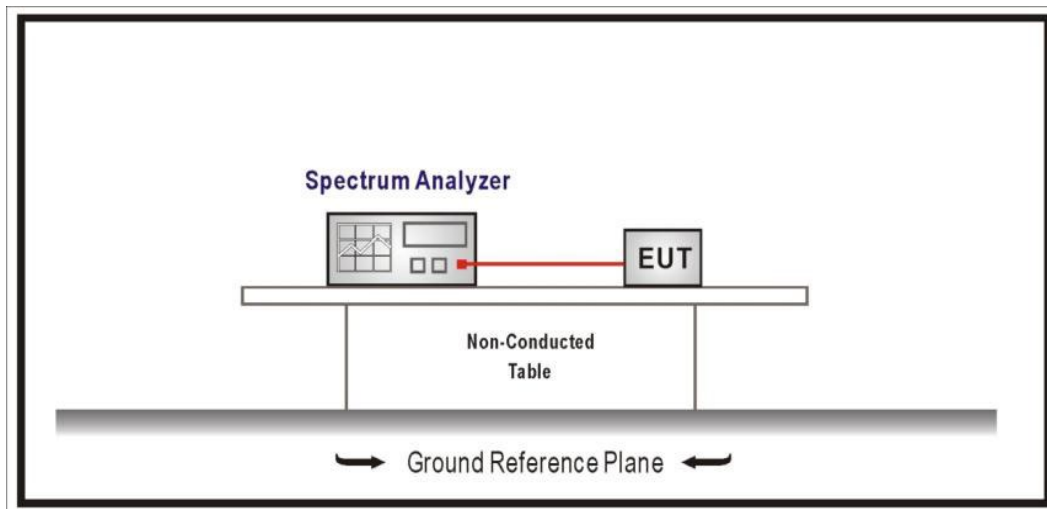
The EUT was setup according to ANSI C63.10: 2013 and tested according to FHSS test procedure of KDB 558074.

4.4. Test Result of 20dB Bandwidth

Refer as Appendix B

5. Carrier Frequency Separation

5.1. Test Setup



5.2. Test Limit

Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400 ~ 2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an Maximum Conducted Output Power no greater than 125 mW. The system shall hop to channel frequencies that are selected at the system hopping rate from a pseudo randomly ordered list of hopping frequencies. Each frequency must be used equally on the average by each transmitter. The system receivers shall have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shall shift frequencies in synchronization with the transmitted signals.

5.3. Test Procedures

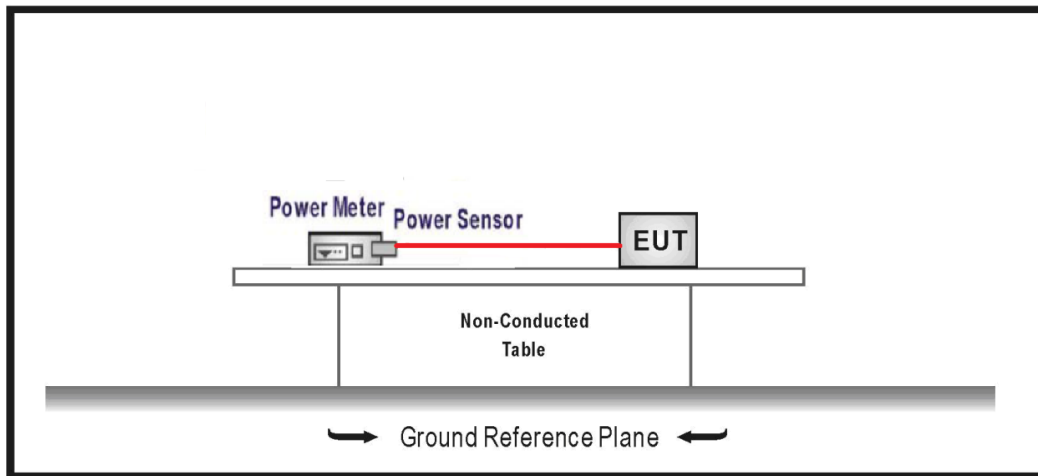
The EUT was setup according to ANSI C63.10: 2013 and tested according to FHSS test procedure of KDB 558074.

5.4. Test Result of Carrier Frequency Separation

Refer as Appendix C

6. Maximum Conducted Output Power

6.1. Test Setup



6.2. Test Limit

For frequency hopping systems operating in the 902 ~ 928 MHz band:

1. Number of Hopping Frequencies ≥ 50 : 1 watt (30dBm)
2. $50 >$ Number of Hopping Frequencies ≥ 25 : 0.25 watt (23.98dBm)

For frequency hopping systems operating in the 2400 ~ 2483.5 MHz band:

1. Number of Hopping Frequencies ≥ 75 : 1 watt (30dBm)
2. $75 >$ Number of Hopping Frequencies ≥ 15 : 0.125 watts (20.97dBm)

For frequency hopping systems operating in the 5725 ~ 5850 MHz band:

Number of Hopping Frequencies ≥ 75 : 1 watt (30dBm)

6.3. Test Procedures

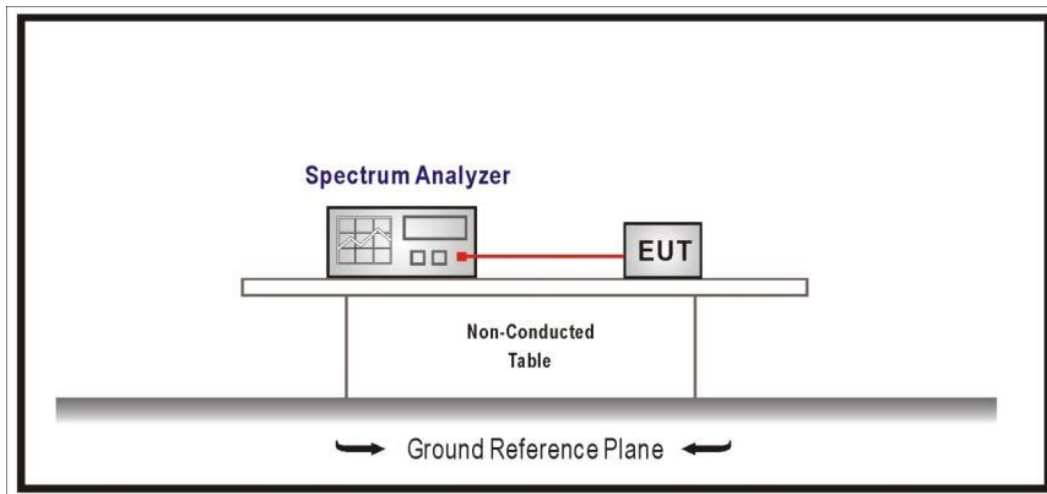
The EUT was setup according to ANSI C63.10: 2013 and tested according to FHSS test procedure of KDB 558074.

6.4. Test Result of Maximum Conducted Output Power

Refer as Appendix D

7. Number of Hopping Frequency

7.1. Test Setup



7.2. Test Limit

For frequency hopping systems operating in the 902 ~ 928 MHz band: if the 20 dB bandwidth of the hopping channel is less than 250 kHz, the system shall use at least 50 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 20 second period; if the 20 dB bandwidth of the hopping channel is 250 kHz or greater, the system shall use at least 25 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 10 second period. The maximum allowed 20 dB bandwidth of the hopping channel is 500 kHz.

Frequency hopping systems in the 2400 ~ 2483.5 MHz band shall use at least 15 channels. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used.

Frequency hopping systems operating in the 5725 ~ 5850 MHz band shall use at least 75 hopping frequencies. The maximum 20 dB bandwidth of the hopping channel is 1 MHz. The average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 30 second period.

7.3. Test Procedure

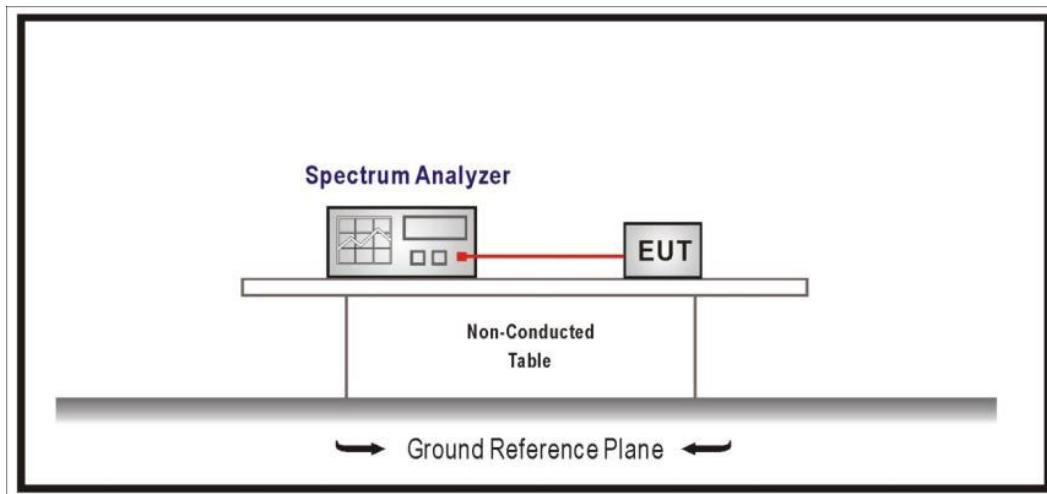
The EUT was setup according to ANSI C63.10: 2013 and tested according to FHSS test procedure of KDB 558074.

7.4. Test Result of Number of Hopping Frequency

Refer as Appendix E

8. Dwell Time

8.1. Test Setup



8.2. Test Limit

For frequency hopping systems operating in the 902-928 MHz band: if the 20 dB bandwidth of the hopping channel is less than 250 kHz, the system shall use at least 50 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 20 second period; if the 20 dB bandwidth of the hopping channel is 250 kHz or greater, the system shall use at least 25 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 10 second period.

For frequency hopping systems operating in the 2400-2483.5 MHz bands. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed.

For frequency hopping systems operating in the 5725-5850 MHz bands. The average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 30 second period.

8.3. Test Procedure

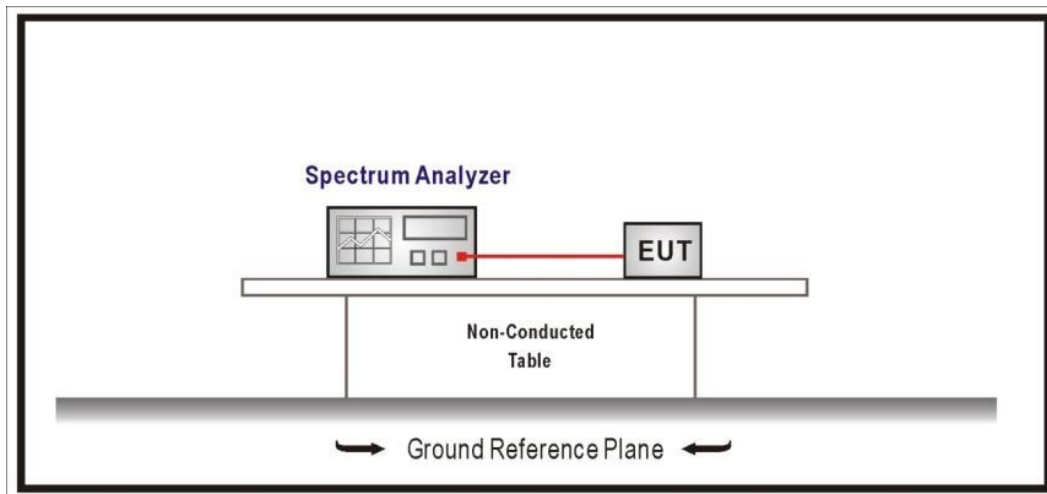
The EUT was setup according to ANSI C63.10: 2013 and tested according to FHSS test procedure of KDB 558074.

8.4. Test Result of Dwell Time

Refer as Appendix F

9. Antenna Port Conducted Emission

9.1. Test Setup



9.2. Test Limit

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the radio frequency power that is produced shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted measurement, provided the transmitter demonstrates compliance with the peak conducted power limit.

9.3. Test Procedure

The EUT was setup according to ANSI C63.10: 2013 and tested according to FHSS test procedure of KDB 558074.

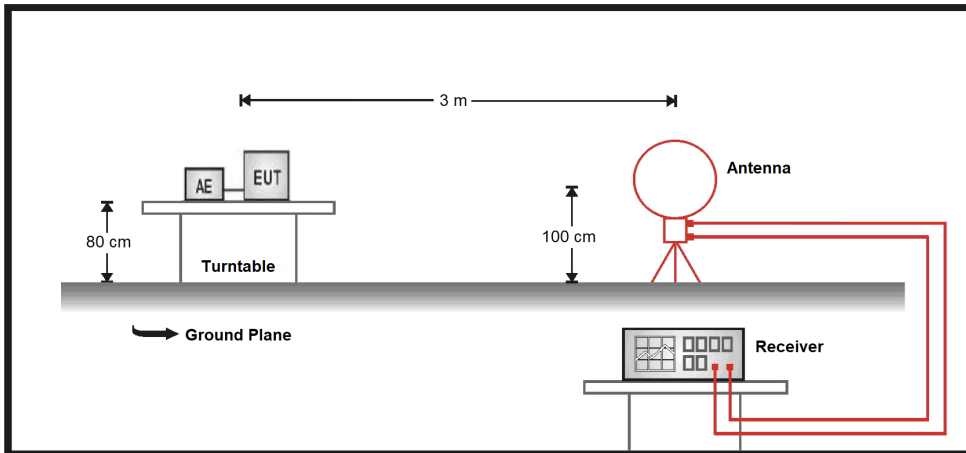
9.4. Test Result of Antenna Port Conducted Emission

Refer as Appendix G

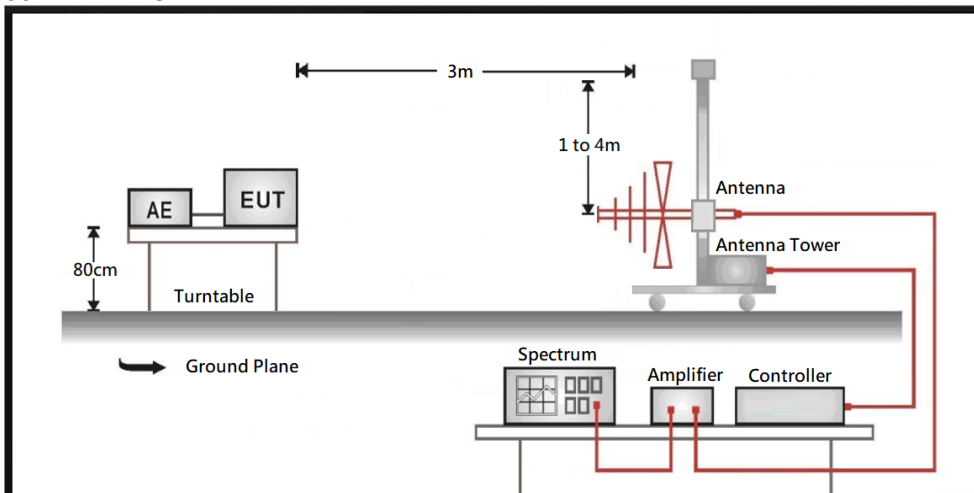
10. Transmitter Radiated Spurious Emission

10.1. Test Setup

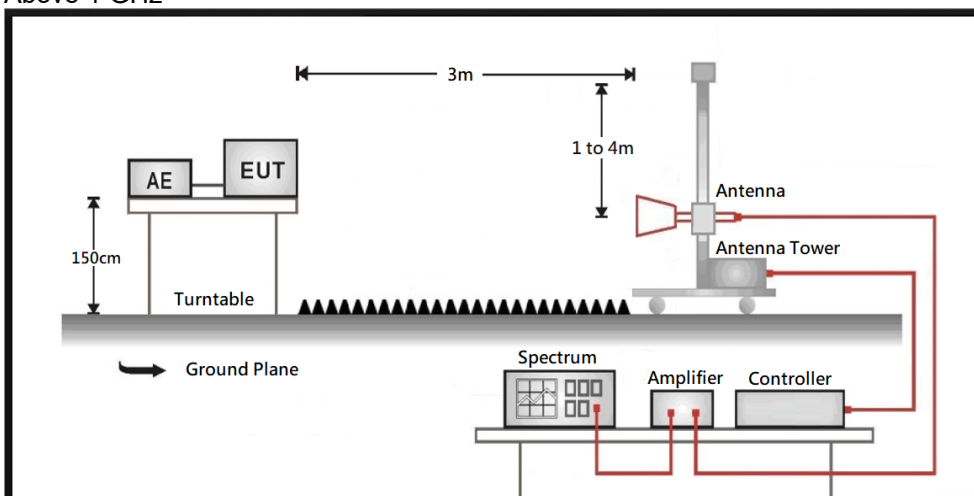
9 kHz ~ 30 MHz



30 MHz ~ 1 GHz



Above 1 GHz



10.2. Test Limit

Frequency (MHz)	Field strength (uV/m)	Field strength (dBuV/m)	Measurement distance (m)
0.009 – 0.490	2400/F(kHz)	20 log (2400/F(kHz))	300
0.490 – 1.705	24000/F(kHz)	20 log (24000/F(kHz))	30
1.705 - 30	30	29.5	30
30 - 88	100	40	3
88 - 216	150	43.5	3
216 - 960	200	46	3
Above 960	500	54	3

Remarks:

1. Field strength (dBuV/m) = 20 log Field strength (uV/m)
2. In the Above Table, the tighter limit applies at the band edges.
3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

10.3. Test Procedure

The EUT was setup according to ANSI C63.10: 2013 and tested according to FHSS test procedure of KDB 558074.

The EUT and its simulators are placed on a turn table which is 0.8 or 1.5 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level.

The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10: 2013 on radiated measurement.

On any frequency or frequencies from 9 kHz(include The the lowest oscillator frequency generated within the device up to the 10th harmonic) to 1000 MHz, the limit shown are based on measuring equipment employing a quasi-peak detector function and on any frequency or frequencies above 1000 MHz the radiated limit shown are based upon the use of measurement instrumentation employing an average detector function. When average radiated emission measurement are included emission measurement below 1000 MHz, there also is a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit.

The bandwidth below 1 GHz setting on the field strength meter is 120 kHz and above 1 GHz is 1 MHz.

10.4. Test Result of Transmitter Radiated Spurious Emission (Below 30 MHz)

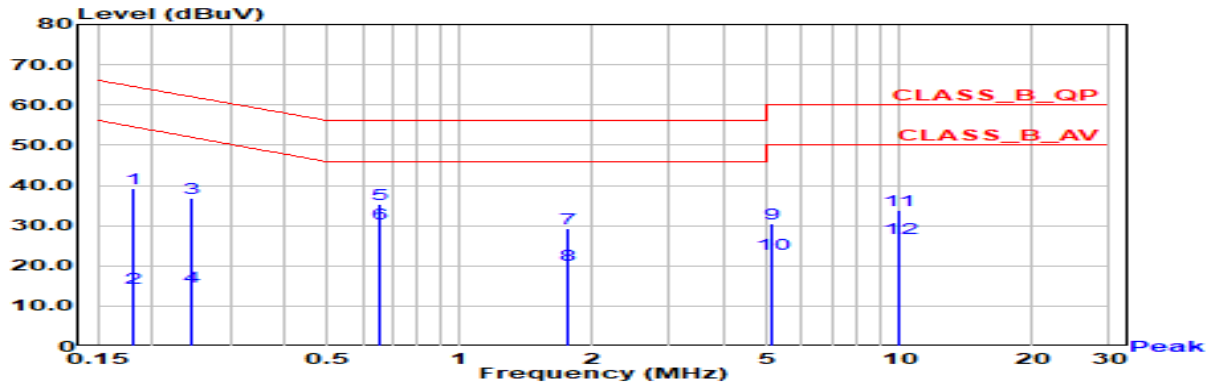
The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

10.5. Test Result of Transmitter Radiated Spurious Emission

Refer as Appendix H

Appendix A. Test Result of AC Power Line Conducted Emission

Test Mode	Mode1	Phase	Line
Test Condition	GFSK		

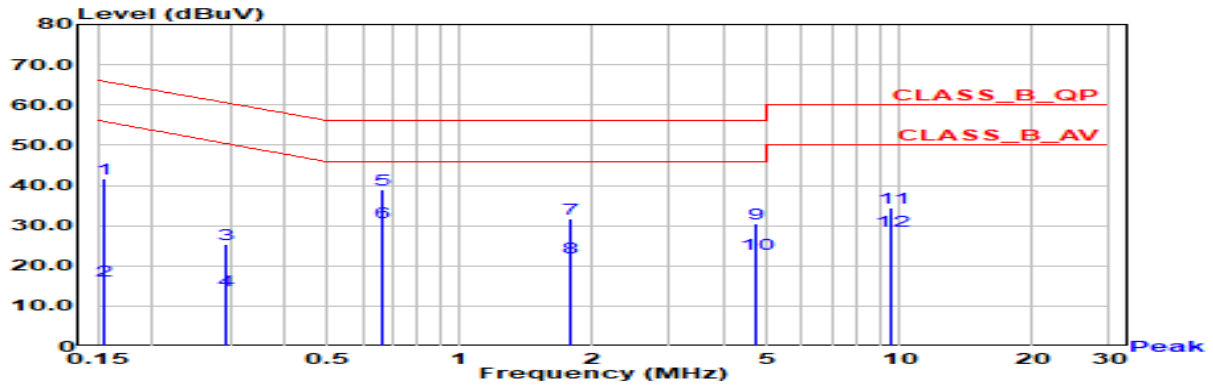


No	Frequency (MHz)	Emission Level (dBUV)	Limit (dBUV)	Margin (dB)	Reading Level (dBUV)	Correct Factor (dB)	Detector Type
1	0.182	39.25	64.40	-25.16	29.62	9.62	QP
2	0.182	14.43	54.40	-39.97	4.81	9.62	AV
3	0.246	36.71	61.90	-25.19	27.08	9.63	QP
4	0.246	14.90	51.90	-36.99	5.27	9.63	AV
*5	0.659	35.27	56.00	-20.73	25.60	9.67	QP
*6	0.659	30.53	46.00	-15.47	20.87	9.67	AV
7	1.763	29.24	56.00	-26.76	19.49	9.75	QP
8	1.763	20.12	46.00	-25.88	10.38	9.75	AV
9	5.094	30.35	60.00	-29.65	20.45	9.90	QP
10	5.094	22.80	50.00	-27.20	12.90	9.90	AV
11	9.985	33.69	60.00	-26.31	23.62	10.07	QP
12	9.985	26.99	50.00	-23.01	16.92	10.07	AV

Note:

1. "*" means this data is the worst emission level.
2. Emission Level = Reading Level + Correct Factor (Correct Factor = LISN Insertion Loss + Cable Loss).
3. Margin = Emission Level - Limit.

Test Mode	Mode1	Phase	Neutral
Test Condition	GFSK		

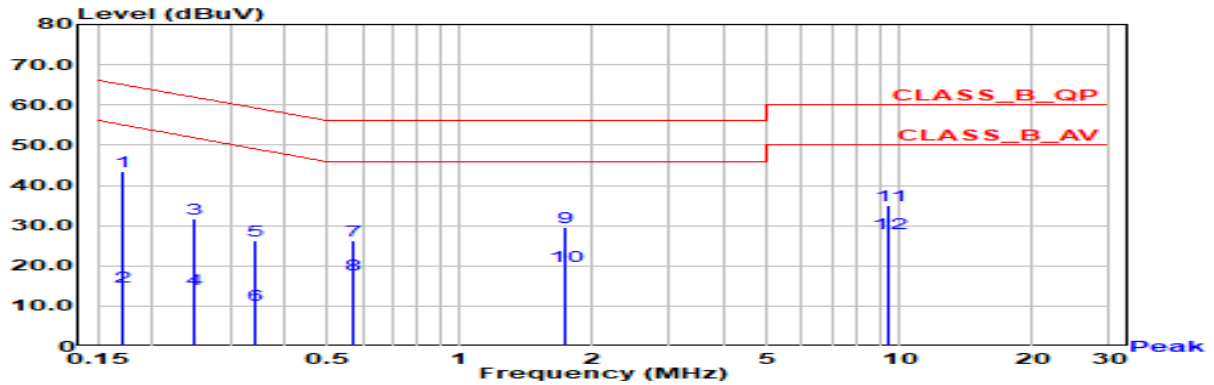


No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	0.154	41.77	65.76	-23.99	32.15	9.62	QP
2	0.154	16.33	55.76	-39.44	6.71	9.62	AV
3	0.292	25.34	60.47	-35.13	15.70	9.63	QP
4	0.292	14.03	50.47	-36.44	4.40	9.63	AV
*5	0.663	39.09	56.00	-16.91	29.42	9.67	QP
*6	0.663	30.88	46.00	-15.12	21.21	9.67	AV
7	1.790	31.67	56.00	-24.33	21.91	9.76	QP
8	1.790	22.06	46.00	-23.94	12.30	9.76	AV
9	4.740	30.62	56.00	-25.38	20.72	9.90	QP
10	4.740	23.08	46.00	-22.92	13.18	9.90	AV
11	9.603	34.51	60.00	-25.49	24.41	10.10	QP
12	9.603	28.60	50.00	-21.40	18.50	10.10	AV

Note:

1. "*" means this data is the worst emission level.
2. Emission Level = Reading Level + Correct Factor (Correct Factor = LISN Insertion Loss + Cable Loss).
3. Margin = Emission Level - Limit.

Test Mode	Mode2	Phase	Line
Test Condition	GFSK		

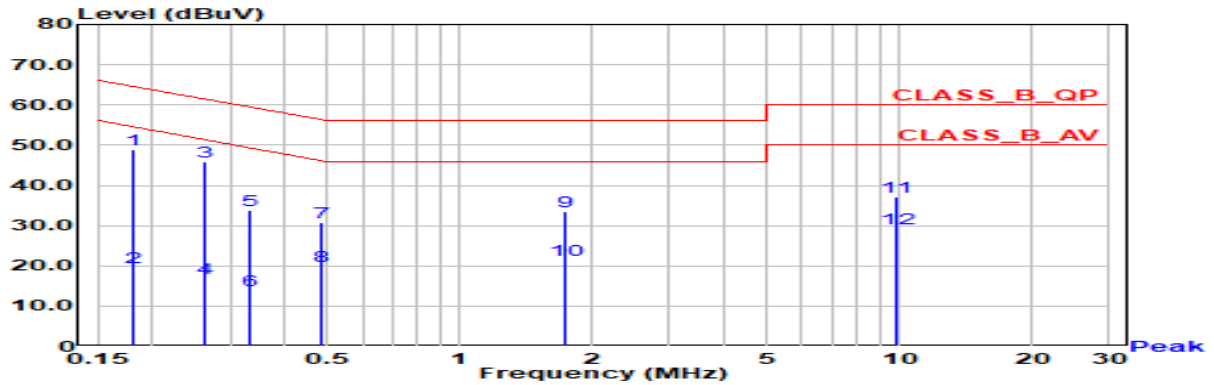


No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
*1	0.171	43.46	64.89	-21.43	33.84	9.62	QP
2	0.171	14.89	54.89	-40.00	5.27	9.62	AV
3	0.249	31.79	61.80	-30.00	22.17	9.63	QP
4	0.249	14.31	51.80	-37.49	4.68	9.63	AV
5	0.344	26.35	59.11	-32.75	16.72	9.64	QP
6	0.344	10.23	49.11	-38.88	0.60	9.64	AV
7	0.571	26.36	56.00	-29.64	16.70	9.66	QP
8	0.571	17.89	46.00	-28.11	8.23	9.66	AV
9	1.745	29.71	56.00	-26.29	19.97	9.74	QP
10	1.745	20.06	46.00	-25.94	10.32	9.74	AV
11	9.476	34.93	60.00	-25.07	24.88	10.05	QP
12	9.476	28.12	50.00	-21.88	18.07	10.05	AV

Note:

1. "*" means this data is the worst emission level.
2. Emission Level = Reading Level + Correct Factor (Correct Factor = LISN Insertion Loss + Cable Loss).
3. Margin = Emission Level - Limit.

Test Mode	Mode2	Phase	Neutral
Test Condition	GFSK		

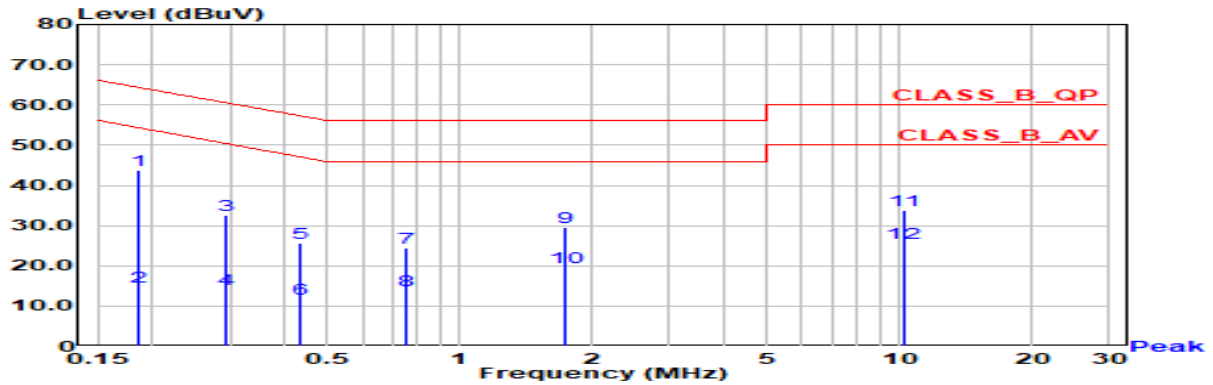


No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
*1	0.181	49.05	64.43	-15.37	39.43	9.62	QP
2	0.181	19.72	54.43	-34.71	10.10	9.62	AV
3	0.264	45.93	61.31	-15.38	36.30	9.63	QP
4	0.264	16.76	51.31	-34.54	7.13	9.63	AV
5	0.334	33.78	59.36	-25.58	24.14	9.64	QP
6	0.334	13.93	49.36	-35.43	4.30	9.64	AV
7	0.484	30.73	56.26	-25.53	21.08	9.65	QP
8	0.484	19.84	46.26	-26.42	10.19	9.65	AV
9	1.740	33.56	56.00	-22.44	23.80	9.75	QP
10	1.740	21.29	46.00	-24.71	11.53	9.75	AV
11	9.815	37.23	60.00	-22.77	27.12	10.11	QP
12	9.815	29.35	50.00	-20.65	19.24	10.11	AV

Note:

1. "*" means this data is the worst emission level.
2. Emission Level = Reading Level + Correct Factor (Correct Factor = LISN Insertion Loss + Cable Loss).
3. Margin = Emission Level - Limit.

Test Mode	Mode3	Phase	Line
Test Condition	GFSK		

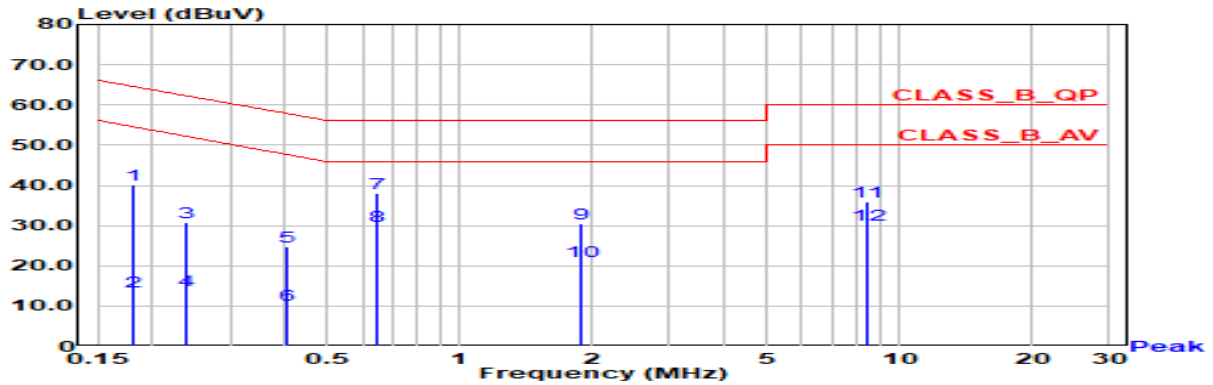


No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
*1	0.186	43.82	64.22	-20.40	34.20	9.62	QP
2	0.186	14.88	54.22	-39.34	5.25	9.62	AV
3	0.292	32.66	60.48	-27.82	23.02	9.63	QP
4	0.292	14.16	50.48	-36.32	4.52	9.63	AV
5	0.431	25.62	57.23	-31.61	15.98	9.64	QP
6	0.431	11.90	47.23	-35.33	2.26	9.64	AV
7	0.750	24.51	56.00	-31.49	14.84	9.68	QP
8	0.750	13.99	46.00	-32.01	4.31	9.68	AV
9	1.745	29.61	56.00	-26.39	19.86	9.74	QP
10	1.745	19.48	46.00	-26.52	9.74	9.74	AV
11	10.192	33.90	60.00	-26.10	23.83	10.07	QP
12	10.192	25.80	50.00	-24.20	15.72	10.07	AV

Note:

1. "*" means this data is the worst emission level.
2. Emission Level = Reading Level + Correct Factor (Correct Factor = LISN Insertion Loss + Cable Loss).
3. Margin = Emission Level - Limit.

Test Mode	Mode3	Phase	Neutral
Test Condition	GFSK		



No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	0.181	40.24	64.43	-24.18	30.62	9.62	QP
2	0.181	13.67	54.43	-40.76	4.04	9.62	AV
3	0.240	30.88	62.11	-31.23	21.25	9.63	QP
4	0.240	13.78	52.11	-38.33	4.16	9.63	AV
5	0.401	24.75	57.83	-33.08	15.10	9.64	QP
6	0.401	10.41	47.83	-37.41	0.77	9.64	AV
7	0.650	37.91	56.00	-18.09	28.24	9.67	QP
*8	0.650	29.95	46.00	-16.05	20.28	9.67	AV
9	1.877	30.57	56.00	-25.43	20.81	9.76	QP
10	1.877	21.01	46.00	-24.99	11.25	9.76	AV
11	8.394	36.06	60.00	-23.94	26.01	10.05	QP
12	8.394	30.14	50.00	-19.86	20.08	10.05	AV

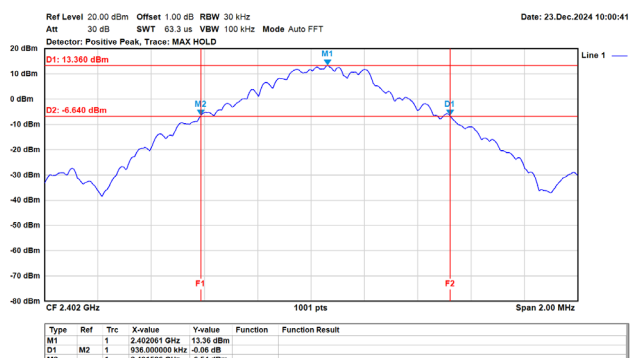
Note:

1. "*" means this data is the worst emission level.
2. Emission Level = Reading Level + Correct Factor (Correct Factor = LISN Insertion Loss + Cable Loss).
3. Margin = Emission Level - Limit.

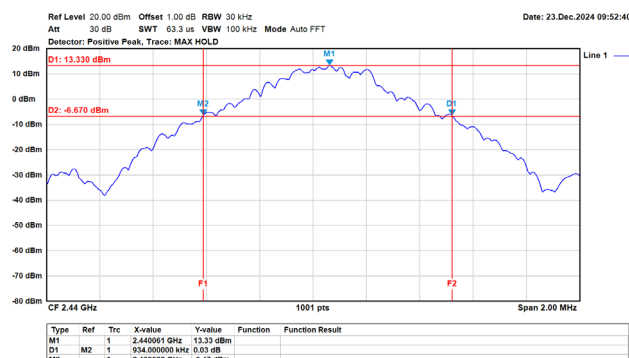
Appendix B.1 Test Result of 20dB Bandwidth

Modulation	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
GFSK	2402	0.94	-
	2440	0.93	-
	2480	0.93	-
8-DPSK	2402	1.29	-
	2440	1.29	-
	2480	1.29	-

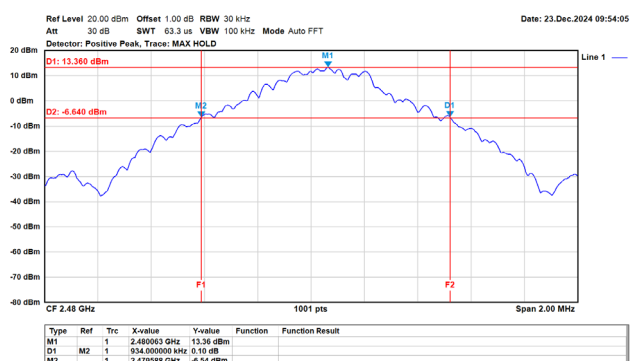
GFSK / 2402 MHz



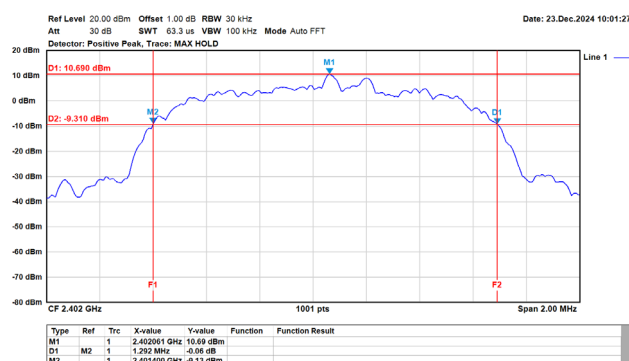
GFSK / 2440 MHz



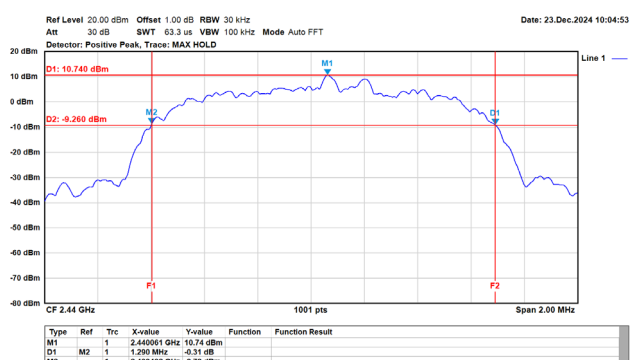
GFSK / 2480 MHz



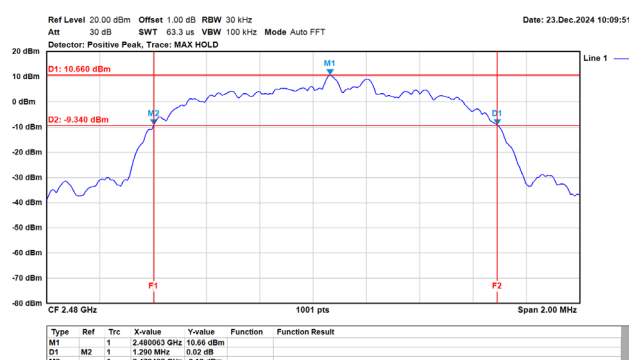
8-DPSK / 2402 MHz



8-DPSK / 2440 MHz



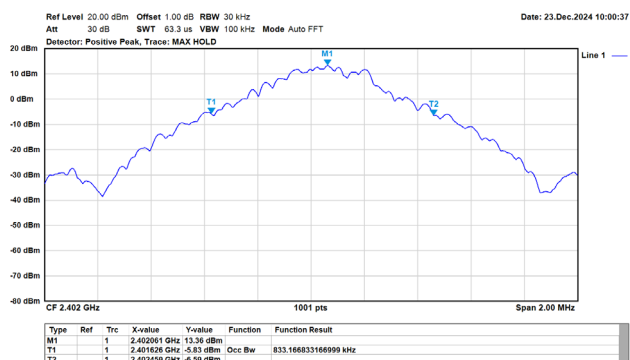
8-DPSK / 2480 MHz



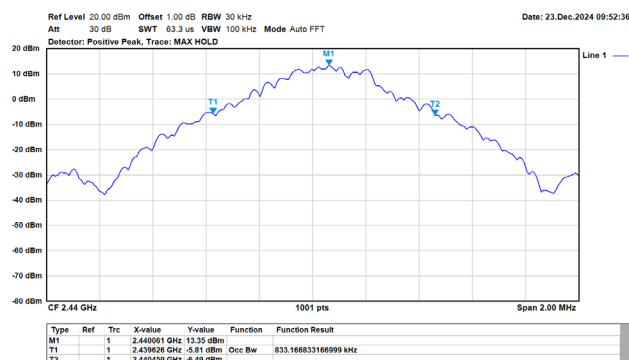
Appendix B.2 Test Result of Occupied Bandwidth

Modulation	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Limit (MHz)
GFSK	2402	0.83	-
	2440	0.83	-
	2480	0.83	-
8DPSK	2402	1.18	-
	2440	1.18	-
	2480	1.18	-

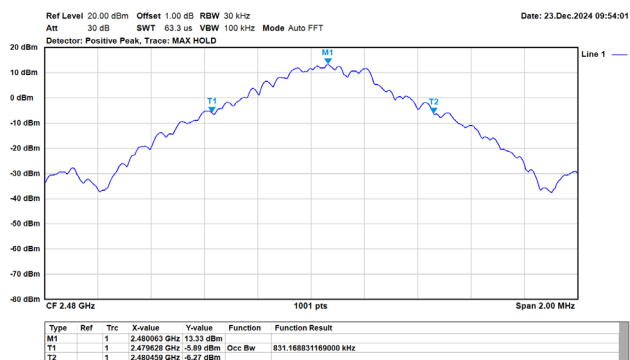
GFSK(DH5) / 2402 MHz



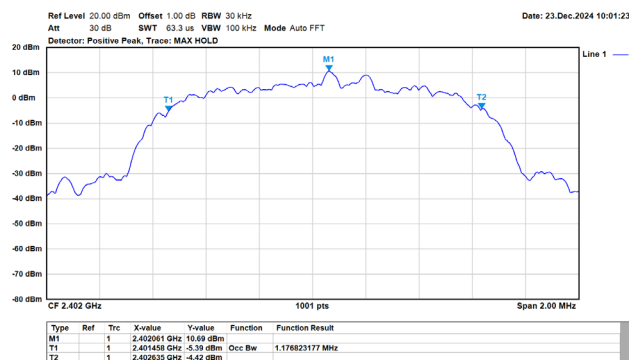
GFSK(DH5) / 2440 MHz



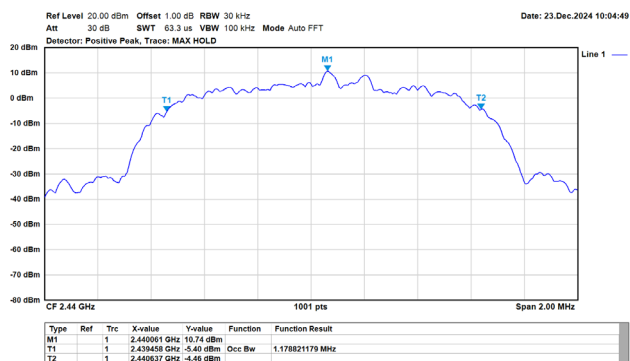
GFSK(DH5) / 2480 MHz



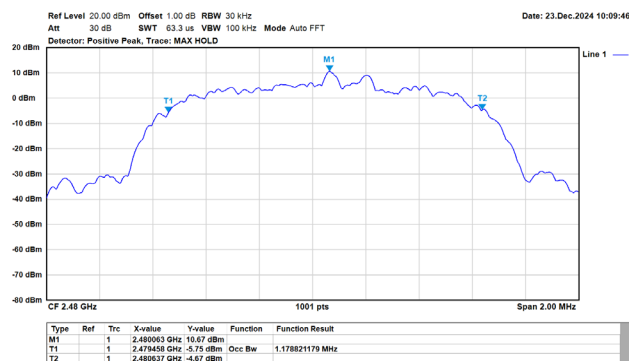
8DPSK(3DH5) / 2402 MHz



8DPSK(3DH5) / 2440 MHz



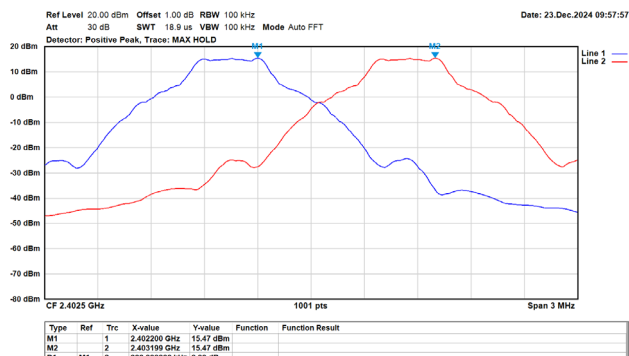
8DPSK(3DH5) / 2480 MHz



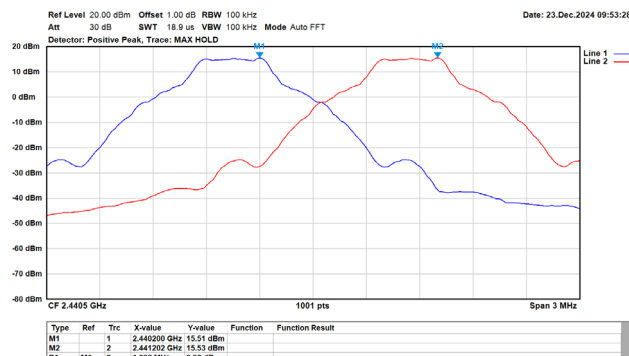
Appendix C. Test Result of Carrier Frequency Separation

Modulation	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
GFSK	2402	1.00	0.624	Pass
	2440	1.00	0.623	Pass
	2480	1.00	0.623	Pass
8-DPSK	2402	1.00	0.861	Pass
	2440	1.00	0.860	Pass
	2480	1.00	0.860	Pass

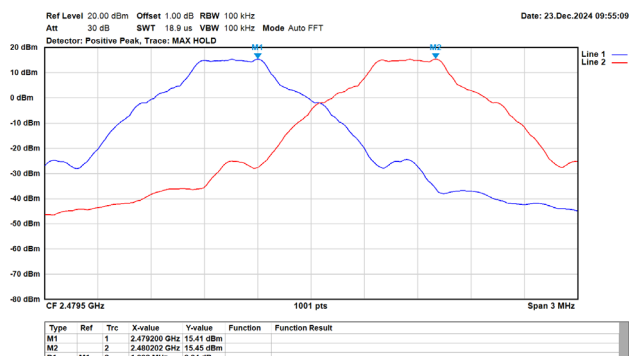
GFSK / 2402 MHz



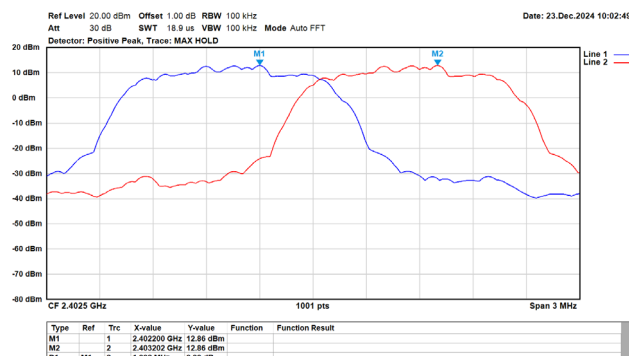
GFSK / 2440 MHz



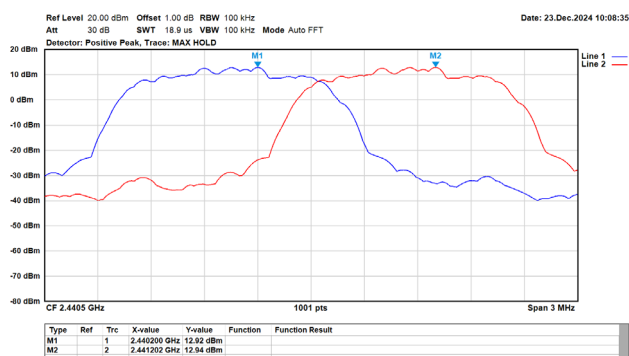
GFSK / 2480 MHz



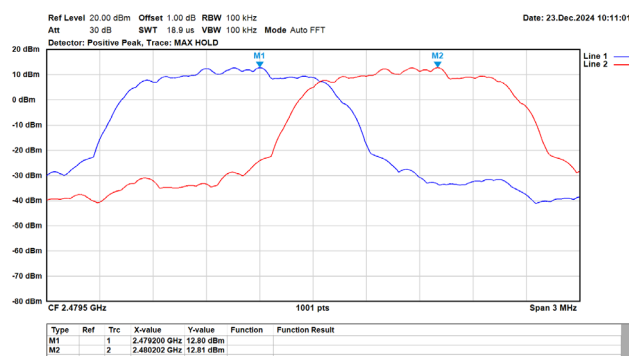
8-DPSK / 2402 MHz



8-DPSK / 2440 MHz



8-DPSK / 2480 MHz

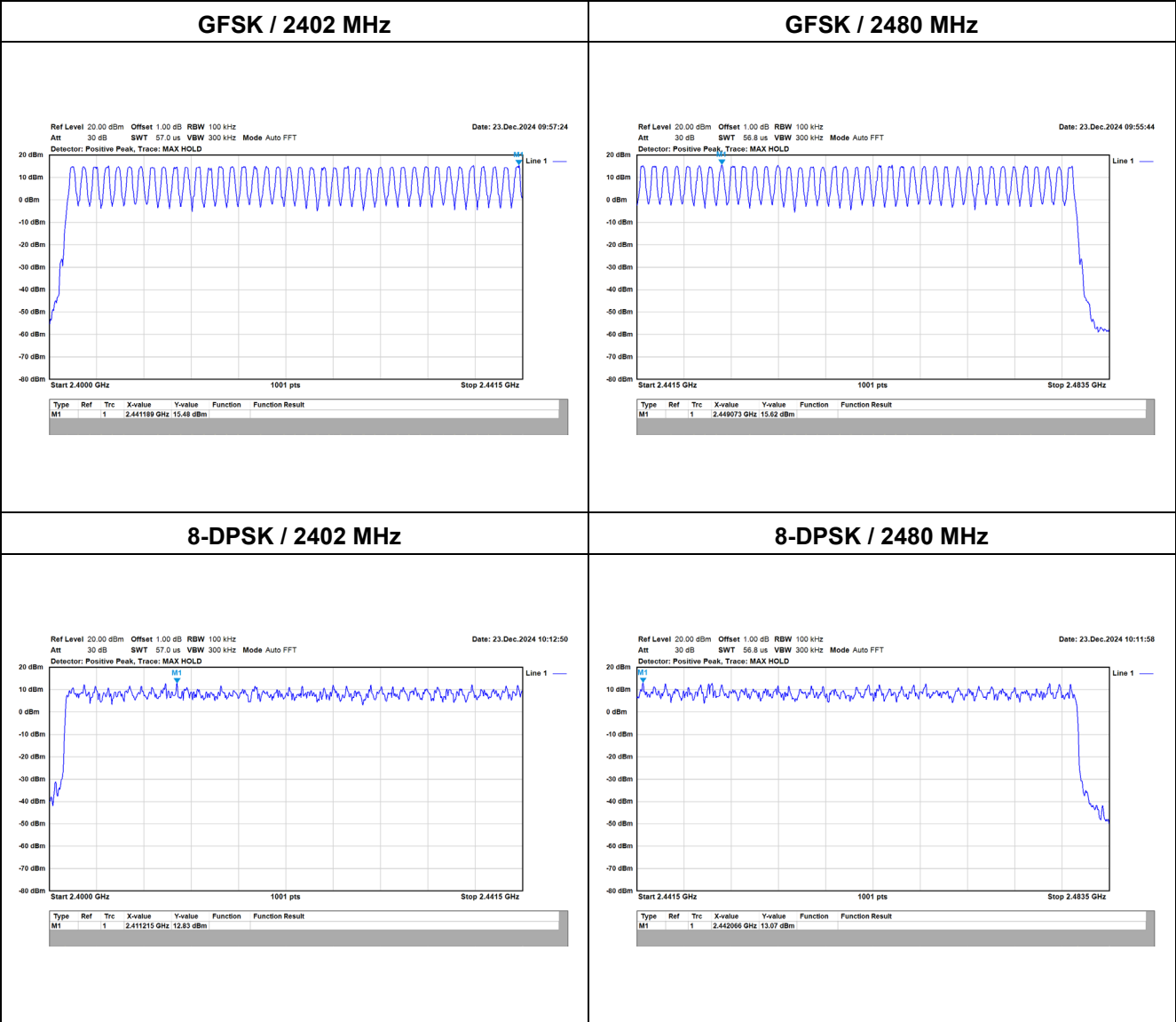


Appendix D. Test Result of Maximum Conducted Output Power

Modulation	Frequency (MHz)	Maximum Conducted Peak Output Power (dBm)	Limit (dBm)	Result
GFSK	2402	7.14	20.97	Pass
	2440	7.30	20.97	Pass
	2480	7.20	20.97	Pass
8-DPSK	2402	6.62	20.97	Pass
	2440	6.78	20.97	Pass
	2480	6.76	20.97	Pass

Appendix E. Test Result of Number of Hopping Frequency

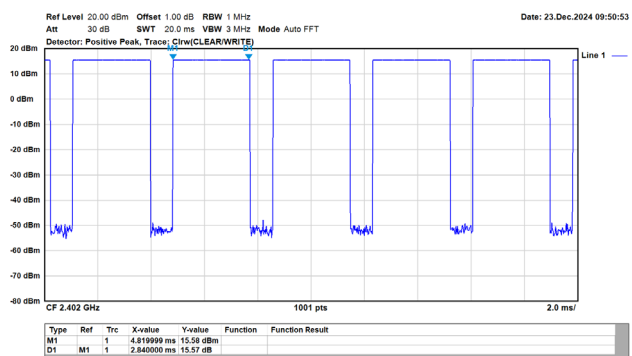
Frequency Range (MHz)	Measure Level (Channels)	Limit (Channels)
2402 ~ 2480	79	≥ 15



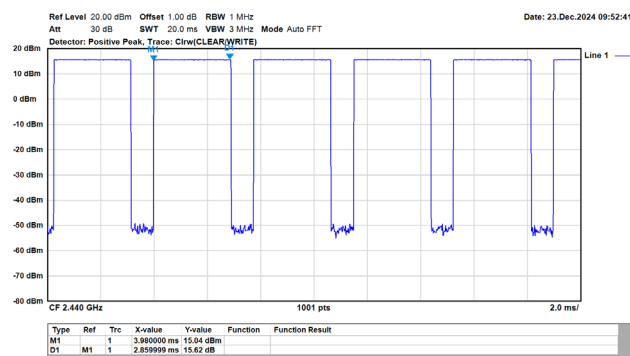
Appendix F. Test Result of Dwell Time

Modulation	Occupancy Time of Frequency Hopping System
GFSK	A) 2402 MHz Test Time Period: $0.4 \times 79 = 31.60$ sec, Time slot length :2.84 = 0.002840 sec Dwell Time : $0.002840 \times (266.67/79) \times 31.60 = 0.303$ sec ◦
	B) 2440 MHz Test Time Period: $0.4 \times 79 = 31.60$ sec, Time slot length :2.86 = 0.002860 sec Dwell Time : $0.002860 \times (266.67/79) \times 31.60 = 0.305$ sec ◦
	C) 2480 MHz Test Time Period: $0.4 \times 79 = 31.60$ sec, Time slot length :2.86 = 0.002860 sec Dwell Time : $0.002860 \times (266.67/79) \times 31.60 = 0.305$ sec ◦
8-DPSK	A) 2402 MHz Test Time Period: $0.4 \times 79 = 31.60$ sec, Time slot length :2.84 = 0.002840 sec Dwell Time : $0.002840 \times (266.67/79) \times 31.60 = 0.303$ sec ◦
	B) 2440 MHz Test Time Period: $0.4 \times 79 = 31.60$ sec, Time slot length :2.86 = 0.002860 sec Dwell Time : $0.002860 \times (266.67/79) \times 31.60 = 0.305$ sec ◦
	C) 2480 MHz Test Time Period: $0.4 \times 79 = 31.60$ sec, Time slot length :2.86 = 0.002860 sec Dwell Time : $0.002860 \times (266.67/79) \times 31.60 = 0.305$ sec ◦
Test Result: The Average Occupancy Time of Each Highest, Middle and Lowest Channel Is Less Than 0.4 sec, And Corresponds to The Standard.	

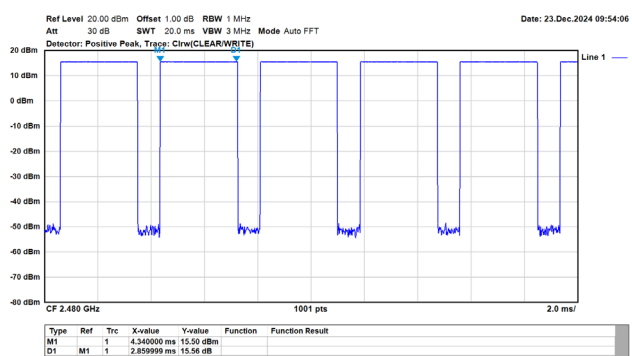
GFSK / 2402 MHz



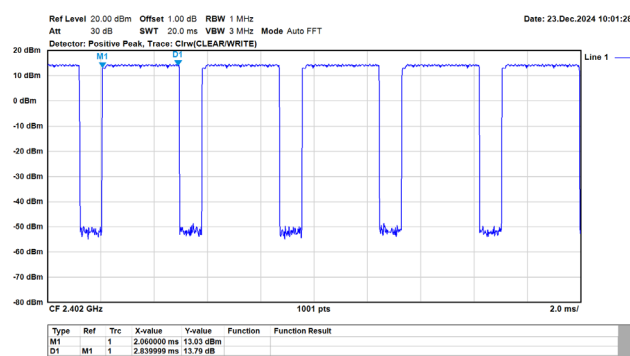
GFSK / 2440 MHz



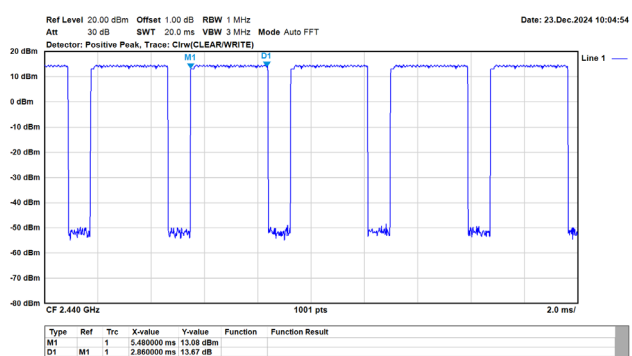
GFSK / 2480 MHz



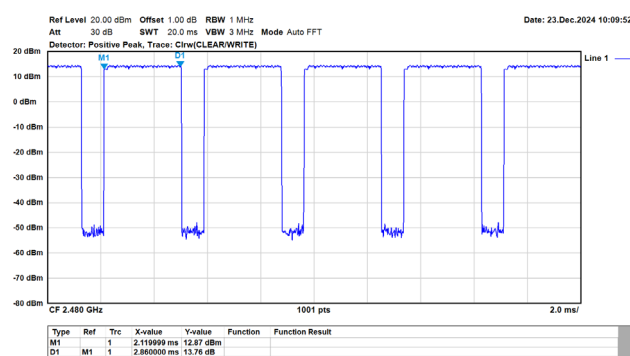
8-DPSK / 2402 MHz



8-DPSK / 2440 MHz

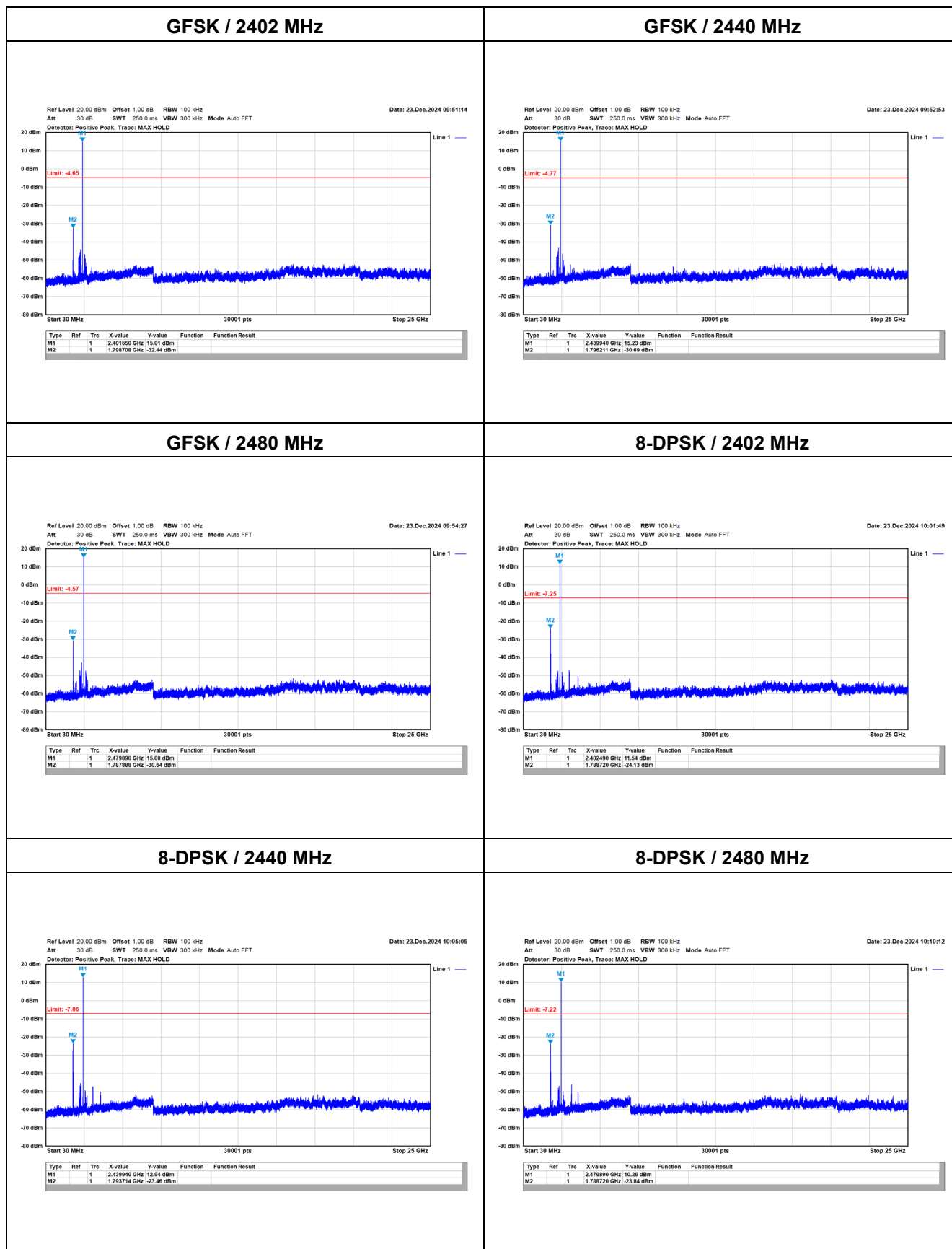


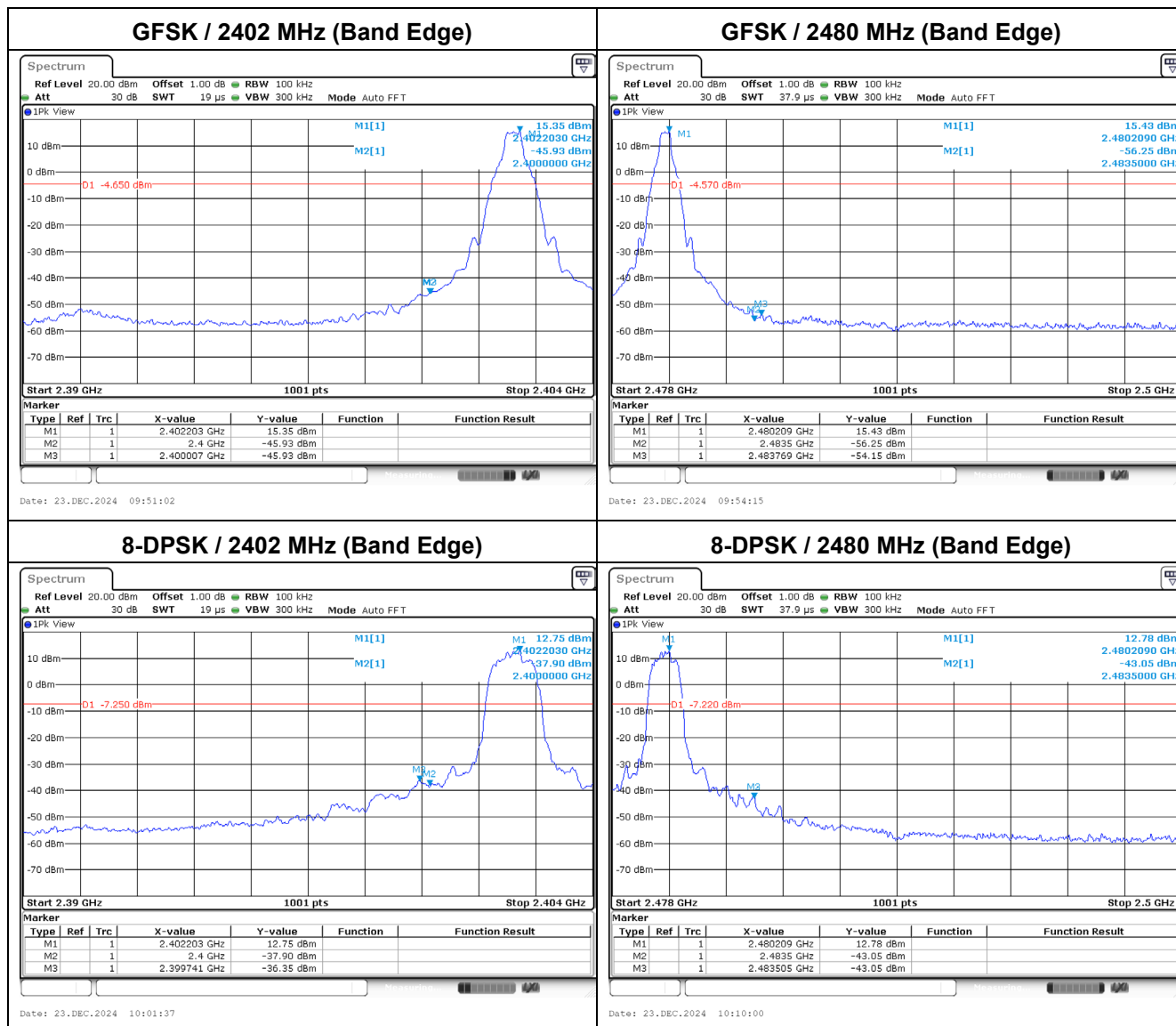
8-DPSK / 2480 MHz



Note: Dwell time = time slot length * hop rate / number of hopping channels * period

Appendix G. Test Result of Antenna Port Conducted Emission



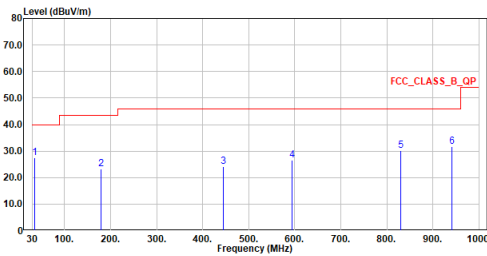


Appendix H. Test Result of Transmitter Radiated Spurious Emission

30 MHz ~ 1 GHz

Test Mode: Mode1

Site :HC-CB02
Condition :3m Horizontal
Mode :LF_8DPSK_TX_2440MHz
Test by :Scott Chnag

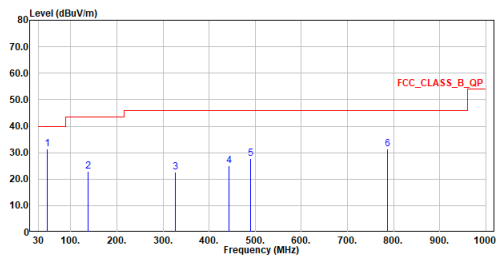


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level		
			dB		dB		
1	35.432	27.44	40.00	-12.56	30.19	-2.75	QP
2	179.477	23.36	43.50	-20.14	27.30	-3.94	QP
3	444.772	24.14	46.00	-21.86	22.09	2.05	QP
4	594.734	26.50	46.00	-19.50	21.37	5.13	QP
5	830.250	30.05	46.00	-15.95	21.24	8.81	QP
6	941.121	31.72	46.00	-14.28	21.24	10.48	QP

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.
5. The other emission levels were very low against the limit.

Site :HC-CB02
Condition :3m Vertical
Mode :LF_8DPSK_TX_2440MHz
Test by :Scott Chnag



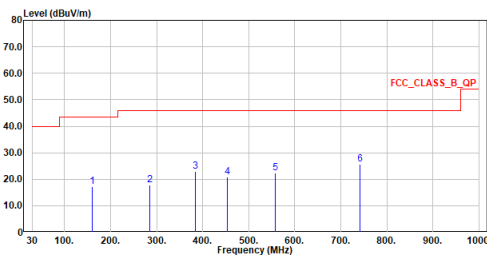
No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level		
			dB		dB		
1	48.042	31.39	40.00	-8.61	32.86	-1.47	QP
2	138.155	23.07	43.50	-20.43	26.56	-3.49	QP
3	325.850	22.64	46.00	-23.36	23.79	-1.15	QP
4	443.414	25.04	46.00	-20.96	23.04	2.00	QP
5	490.265	27.81	46.00	-18.19	24.98	2.83	QP
6	786.600	31.53	46.00	-14.47	23.05	8.48	QP

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.
5. The other emission levels were very low against the limit.

Test Mode: Mode2

Site :HC-CB02
Condition :3m Horizontal
Mode :WIFI BT_TX_LF
Test by :Brook Cheng

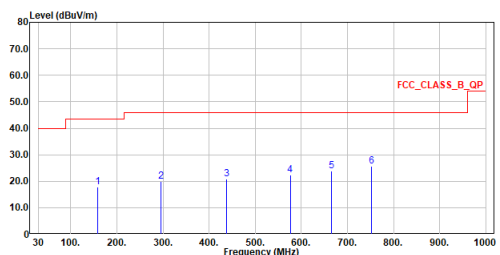


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level		
			dB		dB		
1	159.495	17.31	43.50	-26.19	19.94	-2.63	QP
2	284.237	17.78	46.00	-28.22	20.12	-2.34	QP
3	383.274	22.97	46.00	-23.03	22.65	0.32	QP
4	452.629	20.88	46.00	-25.12	18.69	2.19	QP
5	557.098	22.47	46.00	-23.53	18.45	4.02	QP
6	741.883	25.63	46.00	-20.37	17.77	7.86	QP

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.
5. The other emission levels were very low against the limit.

Site :HC-CB02
Condition :3m Vertical
Mode :WIFI BT_TX_LF
Test by :Brook Cheng



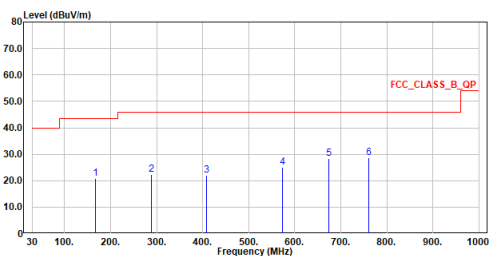
No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level		
			dB		dB		
1	157.943	17.85	43.50	-25.65	20.45	-2.60	QP
2	295.198	19.97	46.00	-26.03	22.04	-2.07	QP
3	437.012	20.74	46.00	-25.26	18.96	1.78	QP
4	575.819	22.39	46.00	-23.61	17.79	4.60	QP
5	664.671	23.73	46.00	-22.27	17.27	6.46	QP
6	752.747	25.76	46.00	-20.24	17.76	8.00	QP

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.
5. The other emission levels were very low against the limit.

Test Mode: Mode3

Site :HC-CB02
Condition :3m Horizontal
Mode :WIFI BT_TX_LF
Test by :Brook Cheng

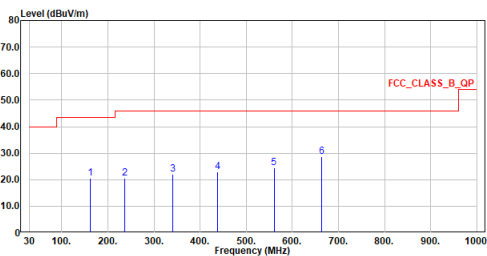


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB	
1	167.255	20.96	43.50	-22.54	23.92	-2.96	QP
2	288.117	22.41	46.00	-23.59	24.65	-2.24	QP
3	407.427	21.94	46.00	-24.06	21.25	0.69	QP
4	573.491	25.19	46.00	-20.81	20.64	4.55	QP
5	674.000	28.48	46.00	-17.52	22.08	6.40	QP
6	760.604	28.81	46.00	-17.19	20.62	8.19	QP

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.
5. The other emission levels were very low against the limit.

Site :HC-CB02
Condition :3m Vertical
Mode :WIFI BT_TX_LF
Test by :Brook Cheng



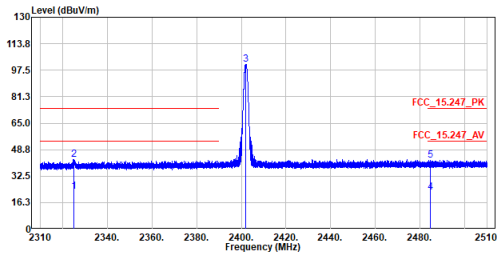
No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB	
1	161.047	20.58	43.50	-22.92	23.26	-2.68	QP
2	235.931	20.48	46.00	-25.52	24.89	-4.41	QP
3	340.400	21.97	46.00	-24.03	22.98	-1.01	QP
4	437.788	23.00	46.00	-23.00	21.19	1.81	QP
5	560.202	24.49	46.00	-21.51	20.45	4.04	QP
6	663.895	28.58	46.00	-17.42	22.12	6.46	QP

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.
5. The other emission levels were very low against the limit.

Above 1 GHz

Site :HC-CB02
Condition :3m ,Horizontal
RB/VB(kHz):1000 / 3000
Mode :BT_GFSK_2402MHz
Test by :Brook Cheng

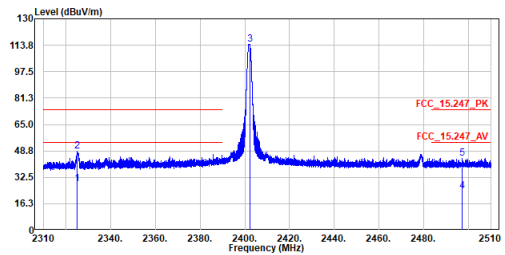


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2325.120	22.85	54.00	-31.15	11.25	11.60	Average
2	2325.120	42.85	74.00	-31.15	31.25	11.60	Peak
3	2401.920	101.05	-----	-----	89.06	11.99	Peak
4	2484.550	22.34	54.00	-31.66	9.94	12.40	Average
5	2484.550	42.34	74.00	-31.66	29.94	12.40	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB02
Condition :3m ,Vertical
RB/VB(kHz):1000 / 3000
Mode :BT_GFSK_2402MHz
Test by :Brook Cheng

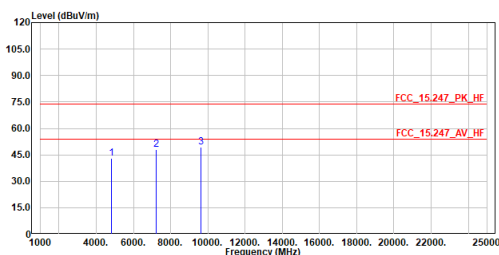


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2324.940	28.47	54.00	-25.53	16.87	11.60	Average
2	2324.940	48.47	74.00	-25.53	36.87	11.60	Peak
3	2402.140	114.34	-----	-----	102.35	11.99	Peak
4	2497.250	24.19	54.00	-29.81	11.73	12.46	Average
5	2497.250	44.19	74.00	-29.81	31.73	12.46	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB02
Condition :3m ,Horizontal
Mode :BT_GFSK_2402MHz
Test by :Brook Cheng

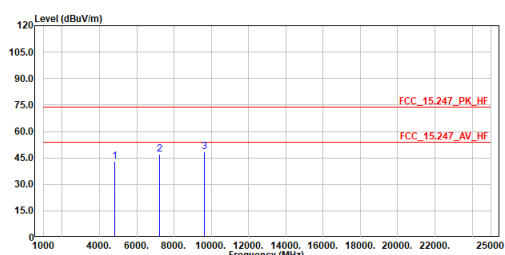


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4804.000	42.96	74.00	-31.04	57.71	-14.75	Peak
2	7206.000	48.06	74.00	-25.94	56.05	-7.99	Peak
3	9608.000	49.32	74.00	-24.68	53.88	-4.56	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB02
Condition :3m ,Vertical
Mode :BT_GFSK_2402MHz
Test by :Brook Cheng

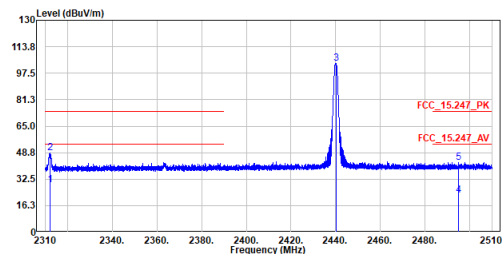


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4804.000	42.97	74.00	-31.03	57.72	-14.75	Peak
2	7206.000	47.30	74.00	-26.70	55.29	-7.99	Peak
3	9608.000	48.63	74.00	-25.37	53.19	-4.56	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB02
Condition :3m ,Horizontal
RB/VB(kHz):1000 / 3000
Mode :BT_GFSK_2440MHz
Test by :Brook Cheng

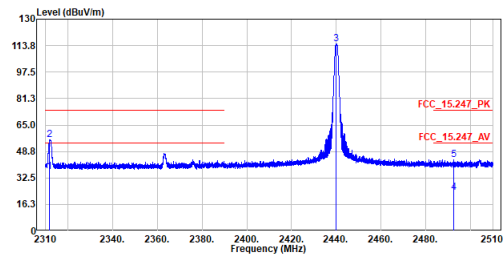


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB	
1	2312.160	28.76	54.00	-25.24	17.22	11.54	Average
2	2312.160	48.76	74.00	-25.24	37.22	11.54	Peak
3	2440.220	103.32	-----	-----	91.14	12.18	Peak
4	2494.980	22.62	54.00	-31.38	10.17	12.45	Average
5	2494.980	42.62	74.00	-31.38	30.17	12.45	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB02
Condition :3m ,Vertical
RB/VB(kHz):1000 / 3000
Mode :BT_GFSK_2440MHz
Test by :Brook Cheng

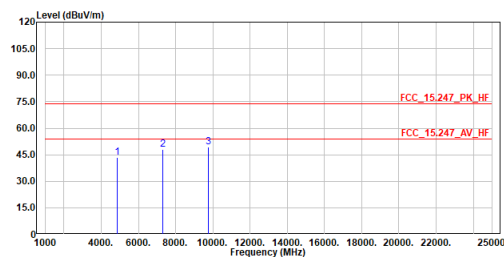


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB	
1	2311.900	36.13	54.00	-17.87	24.59	11.54	Average
2	2311.900	56.13	74.00	-17.87	44.59	11.54	Peak
3	2439.920	114.70	-----	-----	102.52	12.18	Peak
4	2492.480	23.49	54.00	-30.51	11.05	12.44	Average
5	2492.480	43.49	74.00	-30.51	31.05	12.44	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB02
Condition :3m ,Horizontal
Mode :BT_GFSK_2440MHz
Test by :Brook Cheng

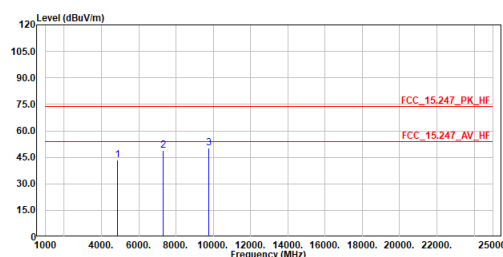


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB	
1	4880.000	43.58	74.00	-30.42	58.04	-14.46	Peak
2	7320.000	48.12	74.00	-25.88	55.98	-7.86	Peak
3	9760.000	49.37	74.00	-24.63	53.62	-4.25	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB02
Condition :3m ,Vertical
Mode :BT_GFSK_2440MHz
Test by :Brook Cheng

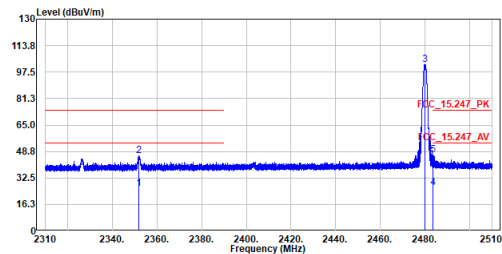


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB	
1	4880.000	43.55	74.00	-30.45	58.01	-14.46	Peak
2	7320.000	48.75	74.00	-25.25	56.61	-7.86	Peak
3	9760.000	50.38	74.00	-23.62	54.63	-4.25	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB02
Condition :3m ,Horizontal
RB/VB(kHz):1000 / 3000
Mode :BT_GFSK_2480MHz
Test by :Brook Cheng

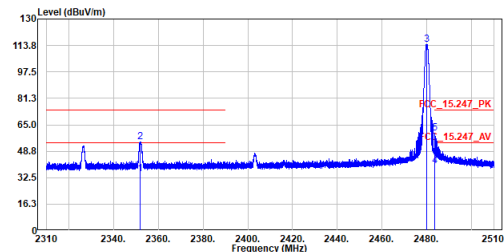


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	2351.880	26.16	54.00	-27.84	14.43	11.73	Average
2	2351.880	46.16	74.00	-27.84	34.43	11.73	Peak
3	2480.160	102.09	-----	-----	89.71	12.38	Peak
4	2483.500	26.63	54.00	-27.37	14.23	12.40	Average
5	2483.500	46.63	74.00	-27.37	34.23	12.40	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB02
Condition :3m ,Vertical
RB/VB(kHz):1000 / 3000
Mode :BT_GFSK_2480MHz
Test by :Brook Cheng

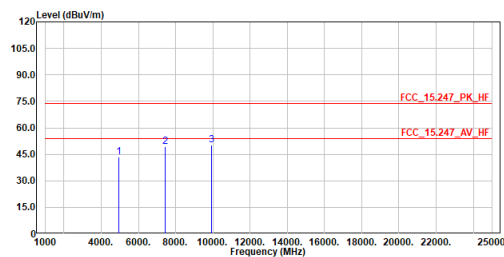


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	2351.910	34.67	54.00	-19.33	22.94	11.73	Average
2	2351.910	54.67	74.00	-19.33	42.94	11.73	Peak
3	2480.160	114.38	-----	-----	102.00	12.38	Peak
4	2483.550	39.87	54.00	-14.13	27.47	12.40	Average
5	2483.550	59.87	74.00	-14.13	47.47	12.40	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB02
Condition :3m ,Horizontal
Mode :BT_GFSK_2480MHz
Test by :Brook Cheng

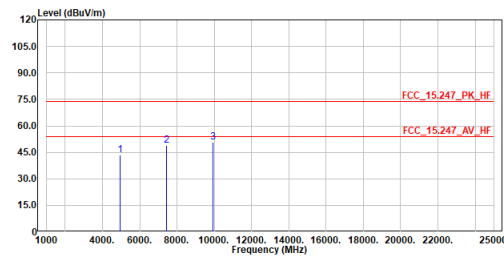


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	4960.000	43.55	74.00	-30.45	57.69	-14.14	Peak
2	7440.000	49.17	74.00	-24.83	56.90	-7.73	Peak
3	9920.000	50.18	74.00	-23.82	54.10	-3.92	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB02
Condition :3m ,Vertical
Mode :BT_GFSK_2480MHz
Test by :Brook Cheng

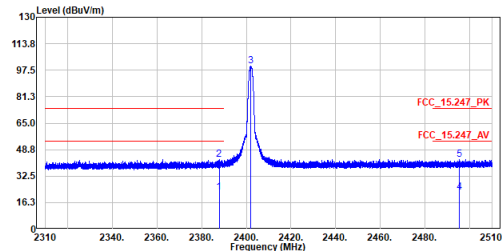


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	4960.000	43.60	74.00	-30.40	57.74	-14.14	Peak
2	7440.000	48.93	74.00	-25.07	56.66	-7.73	Peak
3	9920.000	50.71	74.00	-23.29	54.63	-3.92	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB02
Condition :3m ,Horizontal
RB/VB(kHz):1000 / 3000
Mode :BT_8DPSK_2402MHz
Test by :Brook Cheng

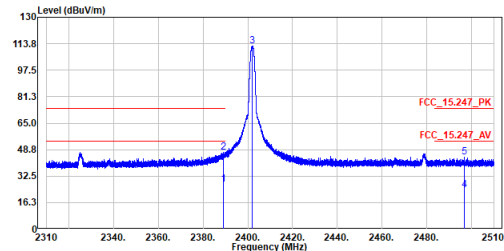


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2387.810	22.81	54.00	-31.19	10.89	11.92	Average
2	2387.810	42.81	74.00	-31.19	30.89	11.92	Peak
3	2401.980	100.07	-----	-----	88.08	11.99	Peak
4	2495.480	22.62	54.00	-31.38	10.17	12.45	Average
5	2495.480	42.62	74.00	-31.38	30.17	12.45	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB02
Condition :3m ,Vertical
RB/VB(kHz):1000 / 3000
Mode :BT_8DPSK_2402MHz
Test by :Brook Cheng

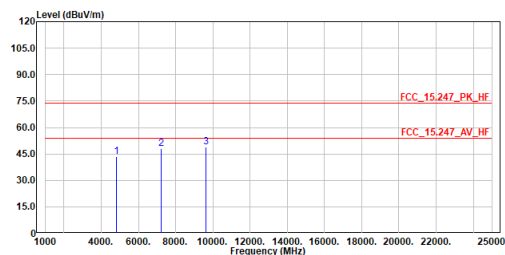


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2389.200	27.26	54.00	-26.74	15.33	11.93	Average
2	2389.200	47.26	74.00	-26.74	35.33	11.93	Peak
3	2402.010	112.40	-----	-----	100.41	11.99	Peak
4	2496.780	24.14	54.00	-29.86	11.68	12.46	Average
5	2496.780	44.14	74.00	-29.86	31.68	12.46	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB02
Condition :3m ,Horizontal
Mode :BT_8DPSK_2402MHz
Test by :Brook Cheng

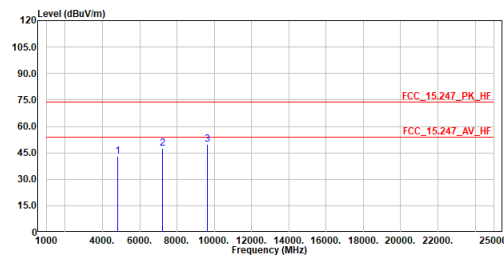


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4804.000	43.28	74.00	-30.72	58.03	-14.75	Peak
2	7206.000	48.06	74.00	-25.94	56.05	-7.99	Peak
3	9608.000	49.12	74.00	-24.88	53.68	-4.56	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB02
Condition :3m ,Vertical
Mode :BT_8DPSK_2402MHz
Test by :Brook Cheng

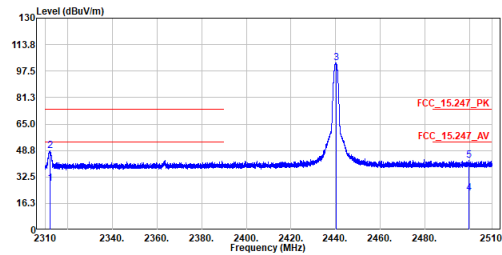


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4804.000	43.01	74.00	-30.99	57.76	-14.75	Peak
2	7206.000	47.72	74.00	-26.28	55.71	-7.99	Peak
3	9608.000	49.70	74.00	-24.30	54.26	-4.56	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB02
Condition :3m ,Horizontal
RB/VB(kHz):1000 / 3000
Mode :BT_8DPSK_2440MHz
Test by :Brook Cheng

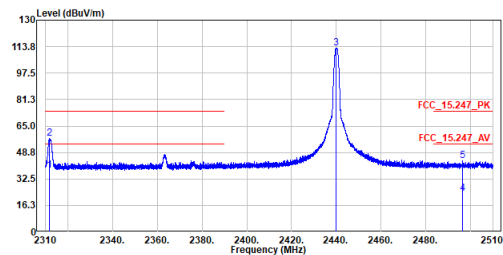


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2311.940	28.61	54.00	-25.39	17.07	11.54	Average
2	2311.940	48.61	74.00	-25.39	37.07	11.54	Peak
3	2440.120	102.34	-----	-----	90.16	12.18	Peak
4	2499.680	22.57	54.00	-31.43	10.09	12.48	Average
5	2499.680	42.57	74.00	-31.43	30.09	12.48	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB02
Condition :3m ,Vertical
RB/VB(kHz):1000 / 3000
Mode :BT_8DPSK_2440MHz
Test by :Brook Cheng

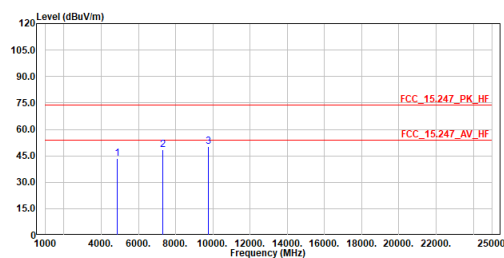


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2311.760	37.54	54.00	-16.46	26.00	11.54	Average
2	2311.760	57.54	74.00	-16.46	46.00	11.54	Peak
3	2440.060	113.04	-----	-----	100.86	12.18	Peak
4	2496.400	23.42	54.00	-30.58	10.96	12.46	Average
5	2496.400	43.42	74.00	-30.58	30.96	12.46	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB02
Condition :3m ,Horizontal
Mode :BT_8DPSK_2440MHz
Test by :Brook Cheng

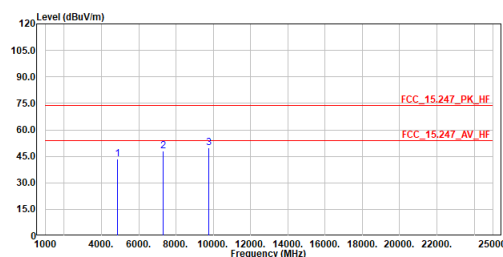


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4880.000	43.34	74.00	-30.66	57.80	-14.46	Peak
2	7320.000	48.32	74.00	-25.68	56.18	-7.86	Peak
3	9760.000	50.34	74.00	-23.66	54.59	-4.25	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB02
Condition :3m ,Vertical
Mode :BT_8DPSK_2440MHz
Test by :Brook Cheng

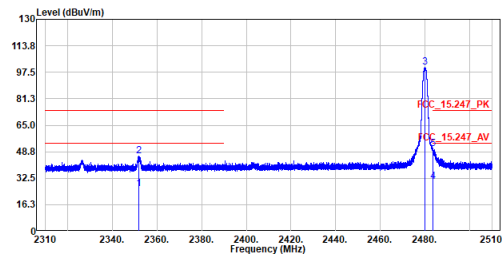


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4880.000	43.42	74.00	-30.58	57.88	-14.46	Peak
2	7320.000	48.01	74.00	-25.99	55.87	-7.86	Peak
3	9760.000	50.03	74.00	-23.97	54.28	-4.25	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB02
Condition :3m ,Horizontal
RB/VB(kHz):1000 / 3000
Mode :BT_8DPSK_2480MHz
Test by :Brook Cheng

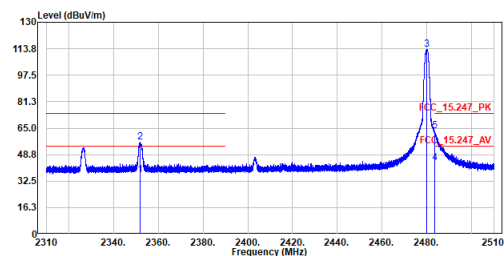


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2351.790	26.01	54.00	-27.99	14.28	11.73	Average
2	2351.790	46.01	74.00	-27.99	34.28	11.73	Peak
3	2480.000	100.43	-----	-----	88.05	12.38	Peak
4	2483.600	30.43	54.00	-23.57	18.03	12.40	Average
5	2483.600	50.43	74.00	-23.57	38.03	12.40	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB02
Condition :3m ,Vertical
RB/VB(kHz):1000 / 3000
Mode :BT_8DPSK_2480MHz
Test by :Brook Cheng

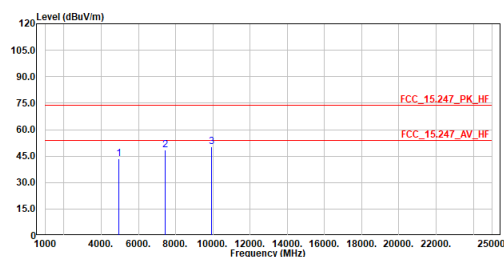


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2351.890	36.25	54.00	-17.75	24.52	11.73	Average
2	2351.890	56.25	74.00	-17.75	44.52	11.73	Peak
3	2480.030	113.35	-----	-----	100.97	12.38	Peak
4	2483.500	43.43	54.00	-10.57	31.03	12.40	Average
5	2483.500	63.43	74.00	-10.57	51.03	12.40	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB02
Condition :3m ,Horizontal
Mode :BT_8DPSK_2480MHz
Test by :Brook Cheng

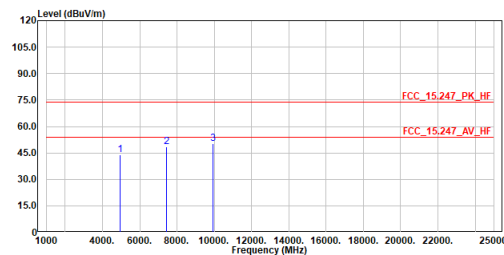


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4960.000	43.35	74.00	-30.65	57.49	-14.14	Peak
2	7440.000	48.38	74.00	-25.62	56.11	-7.73	Peak
3	9920.000	50.12	74.00	-23.88	54.04	-3.92	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB02
Condition :3m ,Vertical
Mode :BT_8DPSK_2480MHz
Test by :Brook Cheng



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4960.000	44.00	74.00	-30.00	58.14	-14.14	Peak
2	7440.000	48.51	74.00	-25.49	56.24	-7.73	Peak
3	9920.000	50.29	74.00	-23.71	54.21	-3.92	Peak

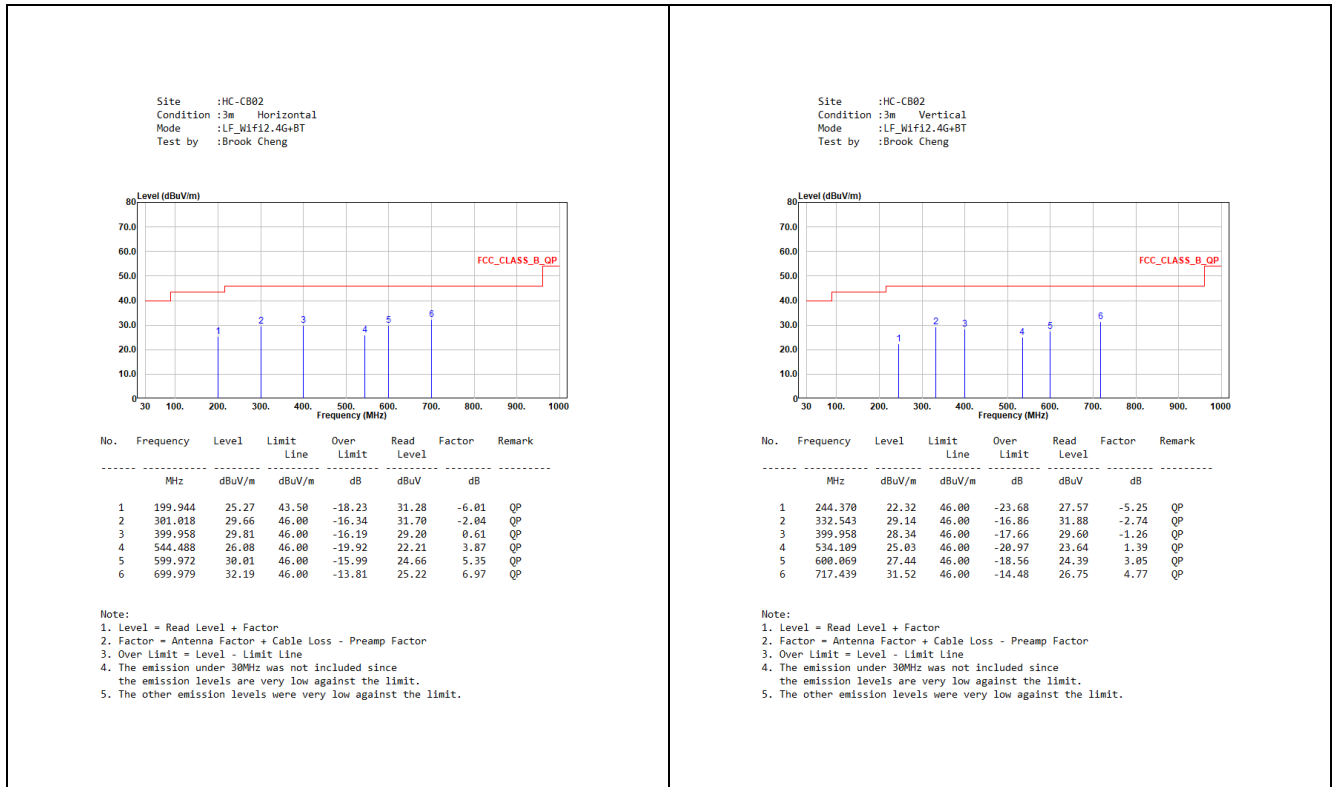
Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

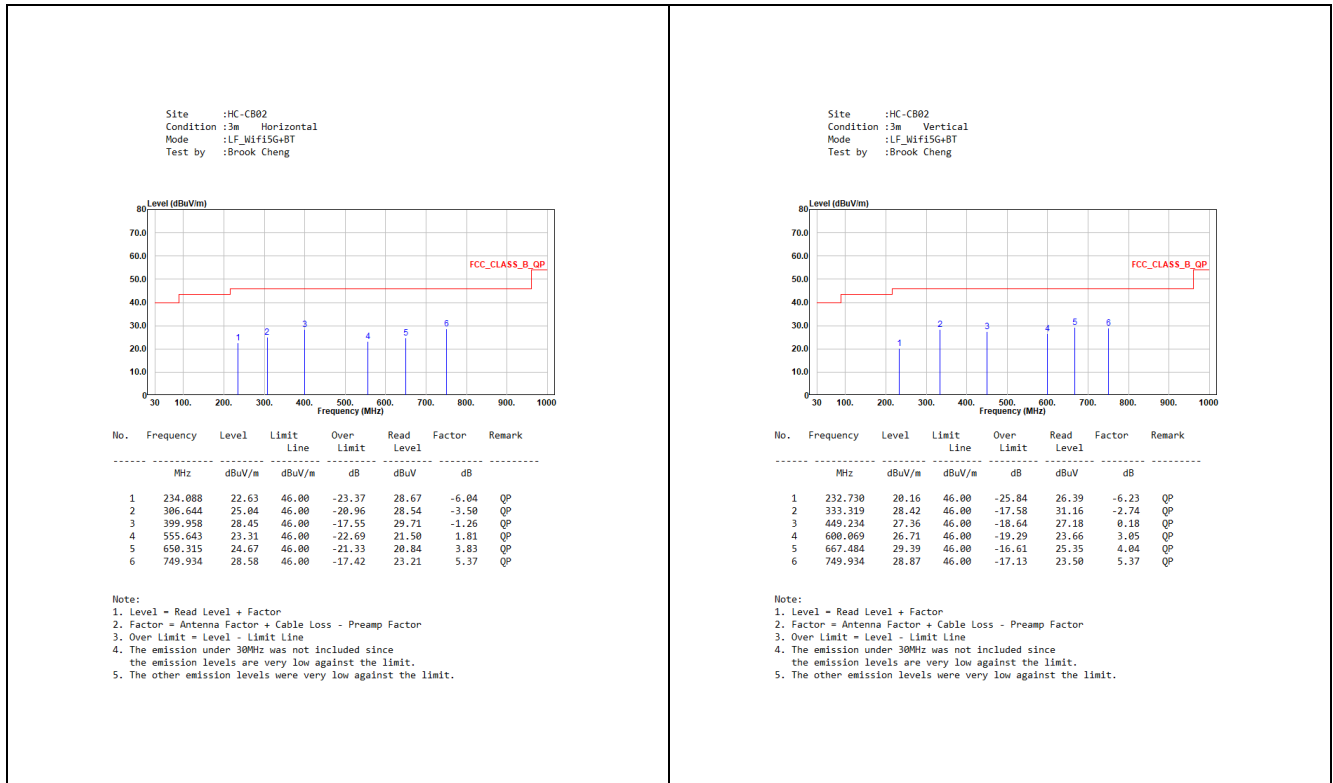
Appendix I. Test Result of Radiated Emissions Co-location

30 MHz ~ 1 GHz

Test Mode: Mode1

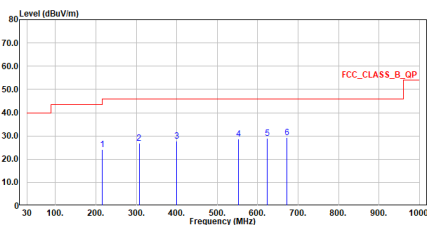


Test Mode: Mode2



Test Mode: Mode3

Site :HC-CB02
Condition :3m Horizontal
Mode :LF_WiFi6G+BT
Test by :Brook Cheng

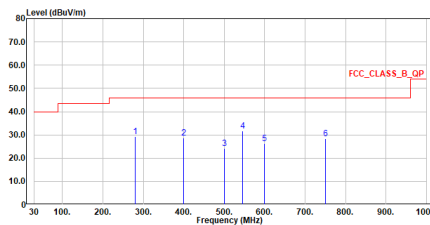


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB	
1	215.949	24.07	43.50	-19.43	31.39	-7.32	QP
2	306.644	26.81	46.00	-19.19	30.31	-3.50	QP
3	399.958	27.74	46.00	-18.26	29.00	-1.26	QP
4	551.957	28.66	46.00	-17.34	26.91	1.75	QP
5	624.028	28.85	46.00	-17.15	25.45	3.40	QP
6	672.043	29.36	46.00	-16.64	25.35	4.01	QP

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.
5. The other emission levels were very low against the limit.

Site :HC-CB02
Condition :3m Vertical
Mode :LF_WiFi6G+BT
Test by :Brook Cheng



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB	
1	279.484	29.15	46.00	-16.85	33.25	-4.10	QP
2	399.958	28.57	46.00	-17.43	29.83	-1.26	QP
3	499.965	24.19	46.00	-21.81	23.33	0.86	QP
4	545.070	31.67	46.00	-14.33	29.97	1.70	QP
5	599.972	26.38	46.00	-19.62	23.33	3.05	QP
6	749.934	28.48	46.00	-17.52	23.11	5.37	QP

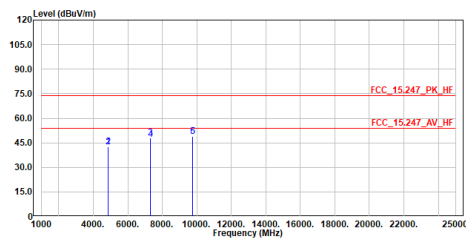
Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.
5. The other emission levels were very low against the limit.

Above 1 GHz

Test Mode: Mode1

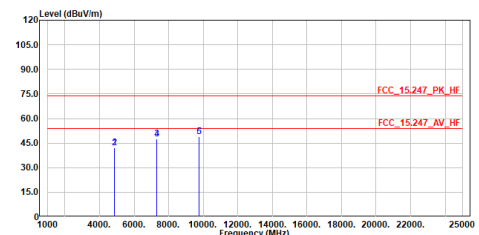
Site :HC-CB02
Condition :3m ,Horizontal
Mode :WiFi12.4G+BT
Test by :Brook Cheng



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4874.000	42.61	74.00	-31.39	57.09	-14.48	Peak
2	4880.000	42.61	74.00	-31.39	57.07	-14.46	Peak
3	7311.000	48.07	74.00	-25.93	55.95	-7.88	Peak
4	7320.000	47.21	74.00	-26.79	55.07	-7.86	Peak
5	9748.000	48.71	74.00	-25.29	52.99	-4.28	Peak
6	9760.000	48.77	74.00	-25.23	53.02	-4.25	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB02
Condition :3m ,Vertical
Mode :WiFi12.4G+BT
Test by :Brook Cheng

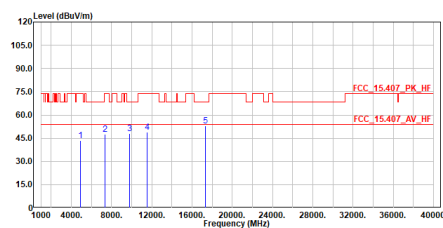


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4874.000	42.29	74.00	-31.71	56.77	-14.48	Peak
2	4880.000	42.29	74.00	-31.71	56.75	-14.46	Peak
3	7311.000	47.42	74.00	-26.58	55.30	-7.88	Peak
4	7320.000	47.42	74.00	-26.58	55.28	-7.86	Peak
5	9748.000	48.72	74.00	-25.28	53.00	-4.28	Peak
6	9760.000	48.72	74.00	-25.28	52.97	-4.25	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Test Mode: Mode2

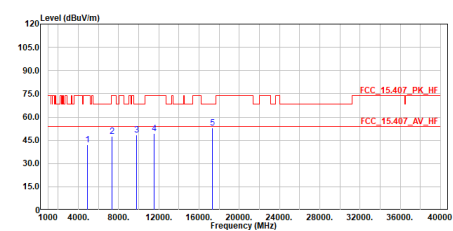
Site :HC-CB02
Condition :3m ,Horizontal
Mode :WiFi15G+BT
Test by :Brook Cheng



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4880.000	43.45	74.00	-30.55	57.91	-14.46	Peak
2	7320.000	47.77	74.00	-26.23	55.63	-7.86	Peak
3	9760.000	48.12	68.20	-20.08	52.37	-4.25	Peak
4	11550.000	48.98	74.00	-25.02	50.69	-1.71	Peak
5	17325.000	53.13	68.20	-15.07	51.53	1.60	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB02
Condition :3m ,Vertical
Mode :WiFi15G+BT
Test by :Brook Cheng

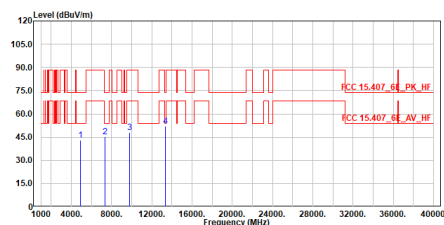


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4880.000	42.09	74.00	-31.91	56.55	-14.46	Peak
2	7320.000	47.61	74.00	-26.39	55.47	-7.86	Peak
3	9760.000	48.39	68.20	-19.81	52.64	-4.25	Peak
4	11550.000	49.46	74.00	-24.54	51.17	-1.71	Peak
5	17325.000	53.17	68.20	-15.03	51.57	1.60	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Test Mode: Mode3

Site :HC-C002
Condition :3m ,Horizontal
Mode :Wifi6G+BT
Test by :Brook Cheng

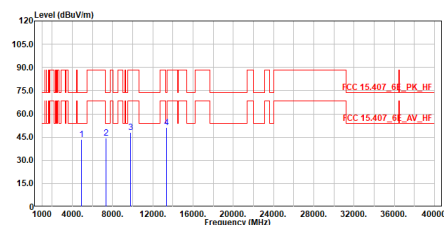


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB	
1	4880.000	43.20	74.00	-30.80	57.66	-14.46	Peak
2	7320.000	45.33	74.00	-28.67	53.19	-7.86	Peak
3	9760.000	48.14	88.22	-40.08	52.39	-4.25	Peak
4	13330.000	51.86	74.00	-22.14	50.93	0.93	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-C002
Condition :3m ,Vertical
Mode :Wifi6G+BT
Test by :Brook Cheng



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB	
1	4880.000	43.41	74.00	-30.59	57.87	-14.46	Peak
2	7320.000	44.20	74.00	-29.80	52.06	-7.86	Peak
3	9760.000	48.08	88.22	-40.14	52.33	-4.25	Peak
4	13330.000	51.21	74.00	-22.79	50.28	0.93	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.